ZA – Archiv Nummer 5005

Farm Survey and Small-Scale Irrigation Project in Gwembe Valley, Zambia

1987
Farm Survey Questionnaire

Village:
Head of Family:
Person Interviewed:
Sex:
Age:
Name of Enumerator:
Date and Time:

I. Family Structure

1. How many people belong to your family?

2. If head is a male:
   - How many wives do you/does the head have?

3. How many of the children living here within this family are over 15 years old?

4. During the last 3 years did anybody of this family leave the Gwembe District to seek work or to study elsewhere?
   - yes
   - no

5. If yes, can you indicate how many persons, where they went, for how long and what activities, and how much per year they contribute to your income?

<table>
<thead>
<tr>
<th>Person/relationship</th>
<th>Sex</th>
<th>Location during absence</th>
<th>Duration</th>
<th>Activities taken up</th>
<th>Income contribution per year (K)</th>
</tr>
</thead>
</table>

II. Agricultural Aspects

6. Can you tell us how big your farm is in total?
   yes, ........ acres/ha/lima
   no

7. If no: how many fields do you own?

8. How much of your land did you cultivate this season?
   ........ acres/ha/lima/fields

9. Do you also cultivate some communal land which was given to you by the Chief?
   yes
   no

10. If yes: how many fields or how many acres?
    ........ fields, ........ acres/ha/lima

11. Can you please indicate to us how many of the following animals you have?

    |       | Number |
    |-------|--------|
    | Cattle| ......  |
    | Goats | ......  |
    | Sheep | ......  |
    | Chicken| ...... |
    | Ducks | ...... |

12. Have you sold any of your cattle during the last two years?
    yes
    no
    If yes: how many and at what price?
    Number sold:
    Price received per head (K):

13. How much milk do you sell per day on average, at what price per litre, and to whom?
    Amount sold (l):
    Price/litre (K):
    To whom sold:

14. Do you make use of cattle manure?
    yes
    no
15. If yes: how?
16. If no: why not?
17. Have you got any trained work oxen?
   yes   no
   If yes: how many?
18. What and how much of the following equipment do you have or does any member of your family have?

   Plough   Number
   Harrow   ------
   Cultivator  ------
   Sprayer   ------
   Ox cart   ------
   Bicycle   ------
   Sledge    ------

19. If ox cart: Do you provide transport also to others against payment?
   yes   no

III. Labour Resources and Use
20. Do you hire labour by paying them in cash or in kind?
   yes   - cash   no   - in kind

21. If yes: For what activities and for how long per season?

<table>
<thead>
<tr>
<th>No of days</th>
<th>Type of crop</th>
<th>Payment in kind</th>
<th>Kwacha</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land clearing</td>
<td></td>
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<tr>
<td>Land preparation</td>
<td></td>
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<tr>
<td>Weeding</td>
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<td></td>
</tr>
<tr>
<td>Harvesting</td>
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<td></td>
<td></td>
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<tr>
<td>Others, which</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
22. Do you share any agricultural work with your wife/wives/husband?

yes no

23. If yes: Which type of work do you carry out together?

<table>
<thead>
<tr>
<th>Together</th>
<th>Individually</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land preparation</td>
<td></td>
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<tr>
<td>Weeding</td>
<td></td>
</tr>
<tr>
<td>Harvesting</td>
<td></td>
</tr>
<tr>
<td>Irrigating</td>
<td></td>
</tr>
<tr>
<td>Others, which</td>
<td></td>
</tr>
</tbody>
</table>

24. During the last two seasons has any member of your family worked on any other farm against payment in cash or in kind?

yes no

25. Did anybody of your family carry out any other economic activity besides farming during the last two years?

yes no

If yes: What type of activity?

26. Do you remember how much in total has been received per year for this work/from this business?

yes, ............. K

no

IV. Irrigation Farming

27. Are you participating in the irrigation scheme in the current season?

yes no

If yes: continue! If no: continue with Question 32.
28. For how many years have you been participating already?

........... years

29. What crops do you intend to plant this coming season?

1. ..............

2. ..............

3. ..............

4. ..............

30. Why did you choose these crops? (tick!)

Advice
Experience
Good marketing possibilities
Good price to catch
Less work required
Others, which? .................

31. You may know that the present irrigation scheme might be extended by another 30 ha. Do you then want to get an additional plot on the extension scheme?

yes no

(continue with Question 36)

32. Did you ever participate in previous years?

yes no

33. If yes: When was it and for how long?

Time participated: .................

Number of years: .................

34. Why did you stop participating?
ANNEX 2/APPENDIX

35. Assume the total area under irrigation would be extended: would you be interested in getting one or even more plots?
   yes       no

   If yes: how many plots? ...........

   (continue with both groups - participants and non-participants)

36. It might well be the case that more farmers want to join the new irrigation scheme than land is immediately available. Would you like to be one of the first applicants to be considered or rather prefer to wait for some time and observe how things are going?

   immediately

   wait

37. There are more than 600 families living in reach of the irrigation scheme, but only 60 ha of irrigated land will be available for cultivation for the next few years. Thus, the number of applicants might exceed the number of plots available. How should in your opinion the selection of farmers and the distribution of plots be done?

38. How many irrigation plots or acres altogether do you think you can handle properly in addition to your dryland and zilli farming without neglecting it?

   ........ plots/ acres

39. Could you handle this area with your own family or do you think you would need to hire labourers?

   yes, with own family

   need to hire labourers

40. How long to you have to walk to the scheme?

   ........ minutes/hours
41. The present scheme is self-administered and guided by the decisions of the Farmers' Executive Committee whose members are elected by the farmers themselves. Do you think this way of self-administration is the right approach?

yes  no

Remarks:

42. What do you regard as the major advantages and/or disadvantages of irrigation farming?

Advantages:

Disadvantages:

V. Communicational Aspects

43. Did you ever receive any advice or assistance from extension workers?

yes  no

If yes: on what matters did you get advice?

44. If you have a problem which you believe you cannot solve on your own, which person or which office would you contact first?
45. Did you ever approach a local or government official to assist you on certain matters?
   yes  no
   If yes: on what matters and what was the result?

VI. Expectations

46. If you look at your present working and living conditions which would you regard as the most serious problems you and your family are facing?
   1. ................................
   2. ................................
   3. ................................

47. Supposing you have two wishes with regard to improve your working conditions. Which improvements or changes would you like most to see happen?
   1. ................................
   2. ................................

48. Let me put the same question regarding your living conditions. What are your two most urgent needs or which two improvements would you most urgently like to see implemented?
   1. ................................
   2. ................................

Remarks by the interviewer: