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Working papers

A SUMMARY OF THE SURVEY METHODOLOGY
EMPLOYED IN THE MBERE STUDY OF THE
DISTRIBUTION OF ECONOMIC STATUS AND
FARM INNOVATION AMONGST MBERE
HOUSEHOLDS

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by

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Views expressed in this paper are those of the author. They should not be interpreted as reflecting the views of the Institute for Development Studies or of the University of Nairobi.

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Appendix 2The Dynamics of Rural Income Distribution
Mbere Case Study: 200 Farm Survey Questionnaire

1. Good Morning/Good afternoon - please may I speak to the head of this household?

(If the Household head is absent, then ask to speak to his wife. If neither the household-head, nor a responsible acting head who is able to answer the questionnaire is present, then arrange a time for a return visit, if possible to meet the house-hold head himself or herself. If a suitable respondent is present, proceed as follows:)

2. Good Morning/Good afternoon. I am
(Interviewer gives his name) and I am working for the University of Nairobi. I am helping Dr. Diana Hunt of the Institute of Development Studies at the University. Dr. Hunt is making a study of the different ways in which people in Mbere earn their income. She is collecting information on the reasons why people decide to do particular kinds of work and on how well the different kinds of work pay. This includes casual work as well as full-time work. We are particularly interested in farming because it is so important to people in Mbere as a source of income, but we would like to know about other income sources too.

The study is being undertaken in association with the planners for Mbere SRDP area, and the results will be handed over to them. We hope the results will be useful in helping the planners to decide what sort of farming and non-farming activities to encourage in Mbere..

I would be most grateful if you would assist the study by answering some questions which I would like to put to you. Your Location Chief as well as the Divisional Officer have been informed of our work, which has been approved by the President's Office.

Date of Interview

1. Household No:
2. Village:
3. Enumeration Area:
4. Sub-location:
- 5* Name of Household Head:
- 6.* Household status of Respondent (Write down the exact status, as well as ticking the appropriate box)
7. Age of household head: (1) - 29 (2) 30 - 39
(3) 40 - 49 (4) 50 - 59 (5) 60 - 69 (7) 70 -
8. Sex of Household head.
9. Composition of Household (give age, sex and status of all those normally resident on the compound and who share the same food)

Name	Sex	Age	Status in Household
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*Where the husband is dead, and his widow is the actual respondent, write "widow of household head" for the status of the respondent.

Where the husband is absent working "permanently" in Nairobi or elsewhere, and his wife is the "acting household head" enter the husband's name as the household head and the wife's status as "Acting Household Head." (A person is defined as "permanently working elsewhere" if he is not expected to visit home for more than two months out of the coming twelve.)

10. For how many years have the Household Head and his wife(s) lived at this homestead - (If the Household Head moved here first as a child count from the start of his residence here as a self-supporting adult.)

- (1) up to 5 years (2) 6 - 10 (3) 11 - 15 (4) 16 - 20
- (5) 21 - 25 (6) 26 - 30 (7) 31 - 35 (8) 36 - 40
- (9) 41 years or more.

11. Where did the Household Head live previously?

- (1) Different District (Name the district)
- (2) Same District
- (3) Same Division (4) Same Location (5) Same Sub-Location (6) Same Village

11B. Why did you choose to live here?

Now let us turn to your Farm:

12. How many plots of land are cultivated or fenced and grazed by the household or by people employed by the household?

- (1) None (2) 1 (3) 2 (4) 3
- (5) 4 (6) 5

13. About how far is each plot from the homestead, and approximately how large is each plot.

<u>Plot Number</u>	<u>Distance from Homestead</u>	<u>Approx. Size</u>
	(in miles or kilometers: state in which)	(acres or hectares state which)

14. Interviewer: Do not complete 14.

Average Distance of all plots (1) Under 1 kilometre

(2) 1 - 1.9 k (3) 2 - 2.9 (4) 3-3.9 (5) 4 - 4.9

(6) 5 - 5.9 (7) 6 - 6.9 (8) 7 - 7.9 (9) 8+

Average Size of all plots (1) hectare

(2) 1 - 1.9 (3) 2 - 2.9 (4) 3 - 9.9 (5) 10 - 10.9

(6) 20+

15. For how many seasons has the household continuously

Cultivated the land which it has under cultivation

this present season (if the farm is on the border-

line between seasons without all the land cleared for

the new season, refer to the season which is just

finishing) Record for each plot the number of seasons

Plot No. 1

(1) None (2) 1 (3) 2 (4) 3 (5) 4 (6) 5

(7) 6 (8) 7 (9) 8 (10) 9 +

Plot No. 2

(1) None (2) 1 (3) 2 (4) 3 (5) 4

(6) 5 (7) 6 (8) 7 (9) 8 (10) 9 +

Plot No. 3

- (1) None (2) 1 (3) 2 (4) 3 (5) 4
- (6) 5 (7) 6 (8) 7 (9) 8 (10) 9+

Plot No. 4.

- (1) None (2) 1 (3) 2 (4) 3 (5) 5
- (6) 5 (7) 6 (8) 7 (9) 10 (10) 9+

Plot No. 5

- (1) None (2) 1 (3) 2 (4) 3 (5) 4
- (6) 5 (7) 6 (8) 7 (9) 8 (10) 9+

16. What are the five crops you grow for which you use most land? (List in order of decreasing importance)

17. What are the five crops you grow which bring you most cash income (a) in a good year and (b) in a bad year (include mangoes, bananas and sugar cane).

List in order of decreasing importance.

a: Good Year

b: Bad Year

18. What are the busiest times of the year on your farm, when people have to work hardest?

19. Do you now regularly (i.e., in each of last six seasons) grow

- (a) Cotton (1) Yes (2) No (b) Tobacco (3) Yes (4) No
- (c) Katumani (5) Yes (6) No (d) Mexican Pea Beans (7) Yes (8) No
- (e) European Potatoes (9) Yes (10) No
- (f) Bananas (11) Yes (12) No.

WORK HISTORY

DATE START	WORK DONE:	RATE OF PAY	TIME TAKEN SEEKING THIS WORK	SOURCE OF SUPPORT WHILE LOOKING:
<p>(1) 1948-1950 (1948-1950) (1948-1950)</p> <p>(2) 1950-1952 (1950-1952) (1950-1952)</p> <p>(3) 1952-1954 (1952-1954) (1952-1954)</p> <p>(4) 1954-1956 (1954-1956) (1954-1956)</p>	<p>(1) 1948-1950 (1948-1950) (1948-1950)</p> <p>(2) 1950-1952 (1950-1952) (1950-1952)</p> <p>(3) 1952-1954 (1952-1954) (1952-1954)</p> <p>(4) 1954-1956 (1954-1956) (1954-1956)</p>	<p>(1) 1948-1950 (1948-1950) (1948-1950)</p> <p>(2) 1950-1952 (1950-1952) (1950-1952)</p> <p>(3) 1952-1954 (1952-1954) (1952-1954)</p> <p>(4) 1954-1956 (1954-1956) (1954-1956)</p>	<p>(1) 1948-1950 (1948-1950) (1948-1950)</p> <p>(2) 1950-1952 (1950-1952) (1950-1952)</p> <p>(3) 1952-1954 (1952-1954) (1952-1954)</p> <p>(4) 1954-1956 (1954-1956) (1954-1956)</p>	<p>(1) 1948-1950 (1948-1950) (1948-1950)</p> <p>(2) 1950-1952 (1950-1952) (1950-1952)</p> <p>(3) 1952-1954 (1952-1954) (1952-1954)</p> <p>(4) 1954-1956 (1954-1956) (1954-1956)</p>

DATE STOP	WHY STOP:	MAIN CROPS GROWN (BY ACREAGE) IF FARMING	MAIN CASH CROPS
<p>1961</p> <p>1962</p> <p>1963</p> <p>1964</p> <p>1965</p> <p>1966</p> <p>1967</p> <p>1968</p> <p>1969</p> <p>1970</p> <p>1971</p> <p>1972</p> <p>1973</p> <p>1974</p> <p>1975</p> <p>1976</p> <p>1977</p> <p>1978</p> <p>1979</p> <p>1980</p> <p>1981</p> <p>1982</p> <p>1983</p> <p>1984</p> <p>1985</p> <p>1986</p> <p>1987</p> <p>1988</p> <p>1989</p> <p>1990</p> <p>1991</p> <p>1992</p> <p>1993</p> <p>1994</p> <p>1995</p> <p>1996</p> <p>1997</p> <p>1998</p> <p>1999</p> <p>2000</p> <p>2001</p> <p>2002</p> <p>2003</p> <p>2004</p> <p>2005</p> <p>2006</p> <p>2007</p> <p>2008</p> <p>2009</p> <p>2010</p> <p>2011</p> <p>2012</p> <p>2013</p> <p>2014</p> <p>2015</p> <p>2016</p> <p>2017</p> <p>2018</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>2023</p> <p>2024</p> <p>2025</p>	<p>1961</p> <p>1962</p> <p>1963</p> <p>1964</p> <p>1965</p> <p>1966</p> <p>1967</p> <p>1968</p> <p>1969</p> <p>1970</p> <p>1971</p> <p>1972</p> <p>1973</p> <p>1974</p> <p>1975</p> <p>1976</p> <p>1977</p> <p>1978</p> <p>1979</p> <p>1980</p> <p>1981</p> <p>1982</p> <p>1983</p> <p>1984</p> <p>1985</p> <p>1986</p> <p>1987</p> <p>1988</p> <p>1989</p> <p>1990</p> <p>1991</p> <p>1992</p> <p>1993</p> <p>1994</p> <p>1995</p> <p>1996</p> <p>1997</p> <p>1998</p> <p>1999</p> <p>2000</p> <p>2001</p> <p>2002</p> <p>2003</p> <p>2004</p> <p>2005</p> <p>2006</p> <p>2007</p> <p>2008</p> <p>2009</p> <p>2010</p> <p>2011</p> <p>2012</p> <p>2013</p> <p>2014</p> <p>2015</p> <p>2016</p> <p>2017</p> <p>2018</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>2023</p> <p>2024</p> <p>2025</p>	<p>1961</p> <p>1962</p> <p>1963</p> <p>1964</p> <p>1965</p> <p>1966</p> <p>1967</p> <p>1968</p> <p>1969</p> <p>1970</p> <p>1971</p> <p>1972</p> <p>1973</p> <p>1974</p> <p>1975</p> <p>1976</p> <p>1977</p> <p>1978</p> <p>1979</p> <p>1980</p> <p>1981</p> <p>1982</p> <p>1983</p> <p>1984</p> <p>1985</p> <p>1986</p> <p>1987</p> <p>1988</p> <p>1989</p> <p>1990</p> <p>1991</p> <p>1992</p> <p>1993</p> <p>1994</p> <p>1995</p> <p>1996</p> <p>1997</p> <p>1998</p> <p>1999</p> <p>2000</p> <p>2001</p> <p>2002</p> <p>2003</p> <p>2004</p> <p>2005</p> <p>2006</p> <p>2007</p> <p>2008</p> <p>2009</p> <p>2010</p> <p>2011</p> <p>2012</p> <p>2013</p> <p>2014</p> <p>2015</p> <p>2016</p> <p>2017</p> <p>2018</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>2023</p> <p>2024</p> <p>2025</p>	<p>1961</p> <p>1962</p> <p>1963</p> <p>1964</p> <p>1965</p> <p>1966</p> <p>1967</p> <p>1968</p> <p>1969</p> <p>1970</p> <p>1971</p> <p>1972</p> <p>1973</p> <p>1974</p> <p>1975</p> <p>1976</p> <p>1977</p> <p>1978</p> <p>1979</p> <p>1980</p> <p>1981</p> <p>1982</p> <p>1983</p> <p>1984</p> <p>1985</p> <p>1986</p> <p>1987</p> <p>1988</p> <p>1989</p> <p>1990</p> <p>1991</p> <p>1992</p> <p>1993</p> <p>1994</p> <p>1995</p> <p>1996</p> <p>1997</p> <p>1998</p> <p>1999</p> <p>2000</p> <p>2001</p> <p>2002</p> <p>2003</p> <p>2004</p> <p>2005</p> <p>2006</p> <p>2007</p> <p>2008</p> <p>2009</p> <p>2010</p> <p>2011</p> <p>2012</p> <p>2013</p> <p>2014</p> <p>2015</p> <p>2016</p> <p>2017</p> <p>2018</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>2023</p> <p>2024</p> <p>2025</p>

20. If so, when did you start growing

(a) Cotton (b) Tobacco (c) Katumani (d) Mexican Pea Beans.

21. For each of these crops that you grow please tell me exactly what method you used to grow it last season.

European

Cotton Tobacco Katumani M.P.B. Potatoes

- (a) Which month did you plant it?
- (b) Was this before, during or after the rain?
- (c) How many times did you weed?
- (d) What spacing did you use?
- (e) Was the crop planted mixed with others?
- (f) If so, what crops was it mixed with?
- (g) Did you apply fertiliser?
- (h) If so what sort?
- (i) And at what time?
- (j) And how much?
- (k) Were you advised to apply the fertiliser by the extension service?
- (l) Did you apply insecticide?
- (m) If so, at what strength did you mix it?
- (n) How many times did you spray?
- (o) At what periods did you spray?
- (p) Why this number of times?
- (q) How large an area did you plant?
- (r) Please tell me if you can
- (i) What was the total quantity of this crop that you harvested last season?
- (ii) What was the total value of the crop?

	European	Cotton	Tobacco	Katumani	M.P.B.	Potatoes
(a) Which month did you plant it?						
(b) Was this before, during or after the rain?						
(c) How many times did you weed?						
(d) What spacing did you use?						
(e) Was the crop planted mixed with others?						
(f) If so, what crops was it mixed with?						
(g) Did you apply fertiliser?						
(h) If so what sort?						
(i) And at what time?						
(j) And how much?						
(k) Were you advised to apply the fertiliser by the extension service?						
(l) Did you apply insecticide?						
(m) If so, at what strength did you mix it?						
(n) How many times did you spray?						
(o) At what periods did you spray?						
(p) Why this number of times?						
(q) How large an area did you plant?						
(r) Please tell me if you can						
(i) What was the total quantity of this crop that you harvested last season?						
(ii) What was the total <u>value</u> of the crop?						

	Cotton	Tobacco	Katuman	M.P.B.	Potatoes
(s) When you started growing cotton/tobacco did you need much money in order to do so? How much? Where were you able to get the money?					
(t) What reasons made you decide to start growing cotton/tobacco/Katumani/Mexican Pea Beans/European potatoes.					
(u) How did you manage to find the land on which to grow cotton/tobacco/Katumani/Mexican Pea Beans/European Potatoes? For example, did you					
(1) grow less of another crop					
(2) Open up more land so that the total cultivated area on your farm is now larger than before					
(3) buy some more land					
(4) rent some more land					

22. Do you know how much of your maize crop was Katumani last season.
 (1) D.K. (2) None (3) Mixed seed, D.K. exactly (4) about $\frac{1}{4}$
 (5) about $\frac{1}{2}$ (6) about $\frac{3}{4}$ (7) All
23. If you grow Katumani regularly, about how often do you buy new seed from a shop to replace what you already have?

INTERVIEWER: FOR QUESTIONS 24 - 28 DO NOT PROMPT THE RESPONDENT, UNLESS HE OR SHE IS COMPLETELY AT A LOSS FOR AN ANSWER. WHERE YOU PROMPT NOTE THIS BESIDE THE ANSWER. FOR QUESTION 24, IF MORE THAN ONE ANSWER IS GIVEN TICK THE ANSWERS IN THE ORDER THEY WERE GIVEN: GIVE ONE TICK FOR THE FIRST ANSWER, TWO TICKS FOR THE SECOND, ETC.

FOR QUESTIONS 25A, 26A AND 28A THERE IS A CHECK LIST OF POSSIBLE ANSWERS WHICH YOU MAY USE FOR PROMPTING IF ABSOLUTELY NECESSARY.

24. Why do you continue to grow traditional maize?

- (1) Katumani seed not available
- (2) Katumani seed costs too much
- (3) Traditional maize takes longer to mature, and prefer to stagger yields.
- (4) Traditional maize yields better in drought
- (5) Traditional maize yields better with good rainfall
- (6) Other: specify.

25A. If you have never grown Cotton, why have you not done so?

CHECK LIST OF POSSIBLE ANSWERS TO QUESTIONS 25A, 26A, 27A and 28A.

(This list is to be used for prompting the respondent only if necessary.)

- (1) Too little rain
- (2) Wrong soil - if this answer is given, ask
 - (i) Why is it wrong?and (ii) What do you think would be the right type of soil?
- (3) Had heard that it doesn't do well around here.
- (4) Had observed it doesn't do well here
- (5) Not enough capital to finance it. If so, give details of expected costs.
- (6) Would have had to use land for this crop which would otherwise have been used for crops which do better. If this answer is given, ask also: Does this mean then, that you do not have more land available for farming?

- (7) Would have had to take labour from other crops which do better. If this answer is given, ask which months in the year and which activities (i.e. sort of farm work) would have been most seriously affected?
- 25B Have you any notion of what sort of yields (in bags or kilos per acre or per hectare you might expect from cotton given farming conditions around here? Distinguish between drought and good rainfall seasons if possible.
- (1) K D.K.
- 25C Have you any idea what price the crop would fetch per kilo?
- (1) D.K.
- 25D. Have you any idea of the total cash cost per acre or per hectare of growing cotton. If so give details.
- (1) D.K.
- 26A. If you have never grown Tobacco, why have you not done so?
- 26B. Have you any notion of what sort of yields (in bags or kilos per acre or per hectare) you might expect from tobacco given the farming conditions around here? (Distinguish between drought and good rainfall seasons if possible.)
- 26C. Have you an idea what price tobacco would fetch (for example, per kilo, or per sack or for some other measure)
- 26D. Have you any idea of the total cash cost per acre or per hectare of growing tobacco? If so give details.
- 27A. If you have never grown Katumani maize, why have you not done so?

- 27B. Have you any notion of what sort of yields (in bags or kilos per acre or per hectare) you might expect from Katumani maize given the farming conditions around here? Distinguish between drought and good rainfall seasons if possible.
- 27C. Have you any idea what price the crop would fetch for example, per kilo, or per sack or for some traditional measure)?
- 27D. Have you any idea of the total cash cost per acre or per hectare of growing Katumani? If so, give details, (Ignore this question if the answer has already been given under 27A)
- 28A. If you have never grown Mexican Pea Beans, why have you not done so?
- 28B. Have you any notion of what sort of yields you might expect from Mexican Pea Beans given the farming conditions around here? (Distinguish between drought and good rainfall seasons if possible.)
- 28C. Have you any idea what price the crop would fetch (for example, per kilo, or per sack or for some traditional measure)?
- 28D. Have you any idea of the total cash cost per acre or per hectare of growing tobacco? If so give details. (Ignore this question if the answer has already been given under 28A).
- 29A. If you have never grown European Potatoes, why have you not done so?
- 29B. Have you any notion of what sort of yields you might expect from European Potatoes given the farming conditions around Here? (Distinguish between drought and good rainfall seasons if possible.)
- 29C. Have you any idea what price the crop would fetch (for example, per kilo, or per sack or for some traditional measure?).
- 29D. Have you any idea of the total cash cost per acre or per hectare of growing European Potatoes? If so give details, (Ignore this question if the answer has already been given under 29A)

30. Abandoned Innovations:

Have you ever tried growing any of the following crops and then stopped?

(a) Cotton (1) Yes (2) No (b) Tobacco (1) Yes (2) No

(c) Castor (1) Yes (2) No (d) Mexican pean beans (1) Yes

(2) No (e) Katumani Maize (1) Yes (2) No

(f) Bananas (1) Yes (2) No (g) ground-nuts (1) Yes (2) No

(h) Onions (1) Yes (2) No (1) European potatoes (1) Yes

(2) No

If so please specify the number of seasons for which you grew each crop, the date you first tried each, and the reasons why you abandoned each.

	No. of Season grown	Date first tried	Reasons why crops abandoned
Cotton			
Tobacco			
Castor			
Mexican Pea			
Beans:			
Katumani Maize			
Bananas (Specify type)			
Groundnuts			
Onions			
Europeans Potatoes			

31. For each crop you tried please tell me how you grew it. Please describe to me the methods which you used during the first season in which you grew the crop, but also tell me about any changes in production methods which you made later.

Crop:-

- (a) In which month did you plant it?
- (b) Was this before during or after the rains?
- (c) What spacing did you use? (1) Scatter planted
- (d) How many times did you weed?
- (e) Was the crop planted mixed with others?
- (f) If so, what crops was it mixed with?
- (g) Did you apply fertilizer? (1) Yes - (2) No-
- (h) If so what sort?
- (i) And at what time (s)?
- (j) And how much (either per plant, per acre, per hectare or some other measure)
- (k) Were you advised to apply it by the extension service?
- (l) Did you apply insecticide? (1) Yes (2) No
- (m) If so, at what strength did you mix it?
- (n) How many times did you spray?
- (o) At what periods did you spray?
- (p) Why this number of times?
- (q) Approximately how large an area did you plant?

At first	Later

32. How did you manage to make the necessary land labour and money available for the crop in the first season? For example, did you grow less of some other crop?

Cotton (a) Land
(b) Labour
(c) Money
(d) How much money did you actually use, and for what purpose(s)

Tobacco (a) Land
(b) Labour
(c) Money
(d) How much money did you actually use, and for what purpose(s)

Castor (a) Land
(b) Labour
(c) Money
(d) How much money did you actually use, and for what purpose(s)

Mexican Pea Beans
(a) Land
(b) Labour
(c) Money
(d) How much money did you actually use, and for what purpose(s)

Katumani
Maize (a) Land
(b) Labour
(c) Money
(d) How much money did you use, and for what purpose (s)

- Bananas
- (a) Land
 - (b) Labour
 - (c) Money
 - (d) How much money did you actually use, and for purposes(s)

- Ground Nuts
- (a) Land
 - (b) Labour
 - (c) Money
 - (d) How much money did you actually, use, and for what purpose(s)

- Onions
- (a) Land
 - (b) Labour
 - (c) Money
 - (d) How much money did you actually use, and for what purpose (s)

- European Potatoes
- (a) Land
 - (b) Labour
 - (c) Money
 - (d) How much money did you actually use, and for what purpose(s)

33. Do you own cattle (1) Yes (2) No If yes how many times have you dipped them since January 1st 1973?

34. Would you like to dip them more often?

If so why don't you?

35. How many head of cattle do you have (including calves)

36. How many sheep and goats do you have (including kids)

37. Are there any other new inputs new equipment, new crops or new livestock enterprises that you have introduced on your farm since 1963? If introduced insecticide or fertiliser, state type, which crop (s) used on. and rate of application (i.e. quantity and timing), Interviewer list innovations
If none, write none.

38. Type of Innovation Date First Did you Farmer's evaluation

continue of success or failure with the of the innovation - innovation Give reasons for any after first failure where this season? is possible if so, for how long?

39. How often has your household been visited by the agricultural extension service over the last 12 months

(1) Never (2) 1 (3) 2 (4) 3 (5) 4 (6) 5

(7) 6 (8) 7 (9) 8 (10) 9+

What advice were you given?

40. If NOT visited over last 12 months, have you ever been visited by the agricultural extension service? (1) Never (2) Yes

41. If yes, when (in which year) were you last visited?

42. Has any adult in the household attended any barazas organised by the agricultural service over the last 12 months.

- (1) None (2) 1 (3) 2 (4) 3 (5) 4
(6) 5 (7) 6

43. What advice was given at the barazas?

44A Has any adult in the household visited any demonstration plots over the last 12 months (1) Yes (2) No

44B If so how many times?

44C Was a member of the extension service present at those visits?

- (1) Never (2) sometimes (3) Always

44D What crops were being grown on the plots?

45. If your household has had any contact with the agricultural extension service over/^{the} past 12 months, what advice have you found most helpful, and why do you make the selection?

46. Or if none of it was helpful, why wasn't it?
47. How often has your household been visited by the livestock extension service over the last 12 months?
- (1) Never (2) 1 (3) 2 (3) 3 (5) 4 (6) 5
(7) 6 (8) 7 (9) 8 (10) 9
48. What advice were you given?
- 49A. If you were not visited during the last 12 months, have you ever been visited by the livestock extension service
- (1) Yes (2) No
- 49B. If yes. In which year were you last visited?
- 50A. Has any adult in the household attended any barazas organised by the livestock extension services over the last 12 months?
- If so, how many?
- (1) None, (2) 1 (3) 2 (4) 3 (5) 4
(6) 5 (7) 6
- 50B. What advice was given at the barazas?
- 51A. If you have had any contact with the livestock extension service over the last 12 months, what advice have you found most helpful and why do you make the selection?
- 51B. If none of the advice was helpful, why wasn't it?
52. Do any of the children in this household belong to 4K Clubs?
- (1) Yes (2) No
53. If yes, what activities is the Club doing this season?
(if between seasons, ask about last season)
54. Please record the following information concerning each plot cultivated by the household.

54 Cont'd.

Plot No

1. A Soil: (1) Red (2) Brown (3) Light
(4) Clay (5) Sandy (6) Mixed clay and sandy
(7) Deep (8) Shallow (9) Medium
(10) D.K. if deep or shallow (11) Free of stones
(12) Fairly rocky (13) Very rocky
B. Topography: (4) Flat (5) Gentle slopes (6) steep slopes
(7) includes stream - bed
2. A. (enter relevant numbers)
B.
3. A.
B.
4. A.
B.
A.
B.
55. Do you own oxen and a plough? (1) No (2) Yes
- 56A. If yes, when did you first obtain them?
- 56B. Where did you buy the plough?
57. How many oxen do you use to pull one plough?
58. Did you hire oxen and a plough last season?
59. If Yes, what rate did you pay?
60. How many oxen were in the team?
61. How long does it take to plough one acre with oxen
(a) for land not cultivated in previous season
(b) for land previously cultivated
62. How much would you pay for a good ox?

63. Selective Household Inventory

Now, please tell me how many of each of the following items you own in this household, when you bought each one, how much it cost, and how much you think it is worth now*

Check List

- | | |
|---|---|
| 1. Water barrel | 14. Clock |
| 2. Chairs (not stools) | 15. Wrist watch |
| 3. Tables | 16. Thermos flask |
| 4. Beds (specify type) | 17. Mbatia roof |
| 5. Mattresses (specify type)
(not skins or mats) | 18. Water tank |
| 6. Sheets | 19. Doors |
| 7. Blankets | 20. Cart |
| 8. Towels | 21. Watering cans |
| 9. Suitcases (including wooden ones) | 22. European style spades |
| 10A Hurricane lamp | 23. European style forks
(for cultivating) |
| 10B Pressure lamp | 24. Metal buckets |
| 11. Torch | 25. Plastic buckets |
| 12. Bicycle | |
| 13. Radio | |

<u>Item</u>	<u>Date Bought</u>	<u>Value Then</u>	<u>Value Now</u>	<u>Where Bought</u>
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*Items, such as suitcases, with children in boarding-school should be included.

Items kept by the husband at a different home at the place of work (e.g., Nairobi, Kamburu) should be excluded.

Economic Life-history of Household Head

64. Now, I would be grateful if you'd answer some questions about you/your husband's earlier life, especially about your experiences in working to obtain food and money. (Interviewer: Pause here to obtain assent, and answer any queries). Good - But first I would like to go back even further and ask you to tell me about your/his father.

1. About when was your father born?

Or, what was his irua?

2. How much education did your father have?

(1) None (2) Adult literacy (3) Primary 1 - 4

(4) Primary 5-end (5) Secondary 1-2 (6) Secondary 3-4

(7) Beyond Secondary 4 (specify what further education received. (8) 3 + technical training (9) 4 + technical training (10) 5 + technical training.

Where technical training received, specify exactly what type)

2B. Was your father a Christian?

If so, what sect?

And, when did he convert?

3. Please list the different occupations that your father had, giving them in the order in which he undertook them, and giving the approximate duration of each- (Interviewer: record these on the next blank page, and note whether each occupation was full-time or part-time. Don't forget work in the army.

3B. Did he prosper?

4A. Did your father's lineage have much land?

4B. Did your father farm much of this land? Roughly how many acres altogether? (1) 0 (2) - 5 (3) 5.5-10 (4) 10.5-20 (5) 20.5 - (If the area is specified in hectares, please try to obtain the exact figure and specify "hectares").

4C. Was your father also a tenant on other land?

5. Was your father's land far from here?

- (1) All in same village (2) Some in same village
- (3) All in same sublocation (4) Some in same sublocation
- (5) All in same location (6) Some in same location
- (7) All in same division

If the land was far away, specify where it was, and the approximate distance from the respondent's present home

6. How much of his working-life did/has your father spend/spent on farming?

- (1) All (2) Most (3) About half (4) Less than half.

7. Did he always stick to traditional farming methods, or did he like to experiment? If he experimented, please will you list the main experiments that he made which you can remember. Please can you also tell me how successful was each one

Experiment

How Successful

- (1) Never experimented

8. How many children did your father have? (Count all those who survived beyond the age of 5).

- (1) 1-3 (2) 4-6 (3) 7-8 (4) 10-12 (5) 13-

9. How many of these were sons

- (1) 1 (2) 2 (3) 3 (4) 4 (5) 5 (6) 6 (7) 7 (8) 8 (9) 9 (10) 10 +

99B. How many of these were biological sons?

10. How many wives did your father have?
11. How many of your father's children went to school?
12. How many completed the full primary course?
13. and how many of these went on to further education?
14. Did any other relatives help to pay the school-fees as well as your father?
(1) D.K. (2) Yes (3) No.
If so, please give details: what relatives? and How large a share did they each pay?
- 14B Was your father a rich man in cattle? If so, about how many head did he own? Did the herd remain large for long?
If not, why not?
15. Now let us turn to yourself/your husband. Firstly, how much education did you receive? (Where technical training was received, specify what type)
(1) None (2) Adult Literacy (3) Primary 1-4 (4) Primary 5-end
(5) Secondary 1-2 (6) Secondary 3-4 (7) Beyond secondary 4
(Specify exactly what further education was obtained).
(8) 3+ Technical training (9) 4+ technical training
(10)5+ technical training
16. If you completed Secondary 4, what result did you obtain in School Certificate?
(1) 1 (2) 2 (3) 3 (4) G.C.E. (5) Fail.
17. In what year did you finish your education?
18. Now I would like you to tell me about the various ways in which you have worked for food, money, or other payment since you first started doing so: Firstly, please tell me as accurately as possible in what year did you begin to work on your own behalf (as opposed to simply helping your parents or other older relatives)?

⁺ NOTE: If the household head is dead, continue with the questionnaire, but from the date of his death collect the life history of his widow(s).

19. Now when you first started working for yourself, what sort of work did you do?
20. (a) Did you begin by farming?
(b) If so, where? Date
(c) What were the 5 crops which you grew for which you used most land?
(d) Which 4 crops which you grew were most important to you as sources of cash income?
(e) For how long did you farm in that place?
(f) Was farming during this period a full-time occupation for you or did you also sometimes do other work as well?
(g) If so, what other work did you do? (e.g., making charcoal to sell, working for other farmers for pay, working in a quarry).
21. (a) If you did not start by farming, did you look for other work?
(b) If so, where?
(c) For how long did you look for work?
(d) Who supported you during this period?
(e) Did you find work?
If yes, ask the following questions: If no, move on to question No. 23.
22. (a) What sort?
(b) In what year did you start the work?
(c) At what rate were you paid?
(d) Did anybody help you to get the job? If so, who?

22. (Con'd).

(e) How long did you stay in this job?

(f) So, in what year did you leave?

(g) Why did you leave?

(h) What did you do next

(i) Why?

(j) (j) Where did you do this?

(k) At what rate were you paid?

(l) Did anybody help you to get this job? If so who?

(m) In what year did you stop?

(n) Why did you leave?

(o) Did you find a new work

Repeat the same question (22 h-o) up to the present, asking those about farming (20 b-g) where appropriate. Record the answers on the attached blank pages.

23. (a) If you didn't get work, after how long did you stop looking?

(b) Why did you decide to stop?

(c) What did you do next?

23. (Cont'd)

(d) Why did you decide to do this?

Now continue collecting an account up to the present day asking questions 19 to 21 where appropriate.†

24A. If you spent some time working away from home, who looked after your farm and animals while you were away?

24. What are the five most important sources of each income for your household (not just yourself) at present? (For example, sale of crops produced on the farm, honey selling, selling milk, charcoal or thatching grass, carpentry, trading in crops or livestock, quarrying (for stones or sand), butchery, shopkeeping, farm-labouring, casual labouring permanent work away from home etc.) List in order of importance.

25. When did you first marry?

26. How old were you then?

27. How much was the brideprice?

28. Did anyone help you to pay the bride price?

If so, please give details.

29. How many wives did you marry?

30. How many children have you had (Include children now dead)

(1) 1-3 (2) 4-6 (3) 7-9 (4) 10-12 (5) 13-

† Interviewer: Make the time sequence absolutely clear.
Record the answers on the following two blank pages if necessary.

31. What are their names, sex and age?

name	sex	age	name	sex	age
a.			h.		
b.			i.		
c.			j.		
d.			k.		
e.			l.		
f.			m.		
g.			n.		

32. Which of them are in school now, and in what class? And who pays their fees?

name	sex	age	class	fees
------	-----	-----	-------	------

33. Which of them have already finished school?
And which class did they reach? And who paid these fees?

name	sex	age	class	fees
------	-----	-----	-------	------

34. If you have had any other children who are now dead
Please can you tell me how many and the cause of death?

35A. Where were your children born:

Name	age	(1) At home	(2) At health centre	(3) Other: Specify
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35B. When your family are sick do you prefer to use a government or mission dispensary or a traditional doctor. Give reasons for your preference.

35C. How many times have your family needed to see a doctor over the last 12 months?

35D. On how many of these times did you actually see a doctor?

35E. Which sort of doctor did you actually see each time (Government, mission or traditional) and why?

35F. Now, I would like to ask you a few questions about poultry.

- Firstly:
- How many cocks do you own?
 - How many hens do you own?
 - How many pullets do you own?
 - How many chicks do you own?

Why do you keep poultry?

When some of your hens are laying, does anyone in the household ever eat the eggs or do you always leave them to be hatched?.

If they are sometimes eaten, who eats them?

36. Diet: Please can you tell me exactly what each member of your family ate today for each meal that each person took:

Name	sex	age	meal	food eaten	Weight of each food item	state if cooked or uncooked when weighed
------	-----	-----	------	------------	--------------------------	--

37. Does your family ever have to make your meals smaller because you do not have enough food to eat as you would like?

38. If so, when did this last happen?

39. And why did it happen?

40. Please would you tell me whether the members of this household have ever in the past had to face any serious misfortune which affected their ability to earn income either from farming or other sources (e.g., death, flood or drought). If so, and if you have not described it/them to me earlier please would you describe them to me now and tell me what happened afterwards? Did the household recover from the misfortune, and if so, how? For example, did you obtain any help from other people?

If so, please can you tell me how you raised the money?

42. Have you ever invested in farming by buying land for your farm? If yes, when? and how much?

Can you remember either how much you paid per acre or how you paid altogether?

How did you raise the money which you needed to finance your purchase(s) of land?

43. Now please can you tell me about the richest household and the poorest household you know in this village?

Firstly, please can you tell me all you know about the ways in which the richest household managed to prosper?

44. Secondly, please can you tell me why it is that the poorest household is so poor?

Do you know whether that household experienced any misfortunes?

45. If a relative asked you to advise him or her what to do in order to earn money and prosper, what would you advise?

- 46. Do you think like it will change much in Mbere over the next 10 years?
- 47. What changes would you like to see in Mbere over this period (list in order of importance).
- 48. Reason for absence of household head (If not previously specified).

"Thank you very much indeed for your assistance."