

PhD-project: Investigating effectiveness of participatory approaches to improve crop productivity under low external input conditions in Ethiopia (PE&RC 08060)

PE&RC-08060-Working document II : Interviews

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Wageningen, 29-09-2015

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1-Introduction

This document contains the different questionnaires and formats used for individual surveys and interviews conducted with farmers in the course of our research project. Objectives for these surveys and interviews were to obtain descriptive data on farm households and to generate information on participation and change in relation to involvement in our research project.

2-Questionnaire Individual survey 2009

Farmers questionnaire (specific information)

no:

General information

Woreda: Tabia: No on tabia list:
 Location (approx. mapcoördinates): Observed soiltype:

Household information

Name of farmer (HH): Gender HH: M / F Age:
 Family size: adults (over 18): children:
 Education level HH: Education level other members (highest):
 Other occupation (off farm jobs): Y/N type:
 Religion: Orth/Prot/Muslim/not
 Selling to the market: Y/N type: distance to market:
 Selling to traders: Y/N type:

Farm information

Farm size (owned land): Share cropped land: No of plots:
 Soil types:
 Crops planted (type and acreage): Fallow land (acreage):

Crop rotations:

Mixed cropping:

Estimated productivity (total quintal):

For wheat: most likely production: highest: lowest: acreage:
 For teff: most likely production: highest: lowest: acreage:
 For hanfets: most likely production: highest: lowest: acreage:

Perceived productivity this year (2008): good/average/low

Perceived productivity last year (2007): good/average/low

Livestock, manure and fertilizer

No and type of livestock: oxen cows goats sheep
 donkey poultry other:

Draft power source: own/hired

Manure use: Y/N manure collection from:

Compost/fertilizer use: Y/N total DAP: quintal
 total urea: quintal

Crops that receive fertilizer:

Development issues

Perceived problems (ranking from severe to moderate):

Things that are in good order: (ranking from good to extremely well):

Weed problems: Y/N type:
 Availability of manure: Y/N Availability of fertilizer: Y/N
 Availability of credit: Y/N Source: Use:
 Incidence of soil erosion: severe/moderate/absent Affected area:
 SWC-measures used:

Effectivity of swc measures:

Farm management

Total time required for weeding (persons and days):
 Total time required for land preparation (ploughing):
 Total time for sowing:
 Total time for harvesting:
 Total time for livestock:
 Total time for other activities:
 Describe your activities for cropping of land:

Technology and innovations

Indigenous technologies used:

Recent used recommendations:

Contact with DA or FTC per year:
 Sources for information: radio/newspaper/neighbours/other:
 Main changes over the last 5 years:

Main achievements over the last 5 years:

Use of inputs:

Use of new technologies/innovations:

What new technologies/innovations are you interested to use:

What issues related to farming do interest you:

3-Individual interviews (Baseline 2010)

Baseline Survey (Phase 2 - 2010)

No: BLS-Phase-2-

date:

Name:

(photo no:

) Woreda:

Tabia:

- 1) Can you mention causes for the development of gullies (as shown in photograph 1).

- 2) What differences do you observe between the lands on both photographs (no 2 and 3).

Which situation do you appreciate most (walka / keye).
Why you made this choice.

- 3) Mention 4 persons with whom you regularly cooperate.
What is their "position" (affiliation).
 - 1-
 - 2-
 - 3-
 - 4-

- 4) Tell in short something about what you see on the photograph (no 4).

- 5) *Suppose one of your neighbours very often allows his goats, sheep and other cattle to graze on your fields. You don't like that. (See photograph no 5)*

What will you do to stop this grazing on your fields.

- 6) What are causes for poverty

What causes are most important

- 7) Mention 3 persons with whom you frequently discuss issues related to agricultural practice.
What is their "position" (affiliation).
 - 1-
 - 2-
 - 3-

- 8) *Suppose one DA of your tabia tells you to construct stone/soil-bunds in combination with trenches and to plant also bushes along the stone/soil-bunds (see photograph 6). You however don't agree because of the area of cultivated land gets less.*

What will you do:

- You tell the DA you don't agree with his idea and don't follow his advice.
- You follow his advice.
- You tell nothing to the DA but you will not follow his advice.

- 9) *Suppose the teff in the field of one of your neighbors has a severe problem with insects destroying the crop. He asks for your advice.*

What will you advice him.

- 10) What action did you take during the last growing season to increase the productivity of your crops.

What actions will you take the coming growing season to increase the productivity of your crops.

- 11) What would you like to learn.

4-Individual interviews (Final 2013)

Final Survey (Phase 3 - 2013)

No: FS-Phase-3-

(BLS-Phase-2-) date:

Name:

(photo no:

) Woreda:

Tabia:

- 1) Can you mention causes for the development of big gullies ? (*photo no 1- gully endachaw*)
- 2) What differences do you observe between the lands on both photographs ? (*photo's no 2-terraced land mymisham, no 3-sloping land maykinetal*)

-Which situation do you appreciate most ?

-Why you made this choice ?

- 3) Mention 4 persons with whom you regularly cooperate.

What is their "position" (affiliation).

1-

2-

3-

4-

- 4) Tell in short something about what you see on the photograph.

(*photo no 4-destroyed gabion*)

- 5) *Suppose your neighbors use your fields to travel to the market. You don't like that.*
(*photo no 5- path and person adigudat*)

What will you do to stop this passing through your field ?

- 6) What are causes for poverty ?

What causes are most important ?

- 7) Mention 3 persons with whom you frequently discuss issues related to agricultural practice.

What is their "position" (affiliation).

1-

2-

3-

- 8) *Suppose the DA of your tabia tells you to use more fertilizer on your fields. You however don't agree because of the cost of the fertilizer is above your capacity. (photo no 6-bag of fertilizer)*

What will you do:

- You tell the DA you don't agree with his idea and don't follow his advice.
- You follow his advice.
- You tell nothing to the DA but you will not follow his advice.

- 9) *Suppose the wheat in the field of one of your neighbors has a severe problem with rats that are destroying the crop. He asks for your advice.*

What will you advice him ?

- 10) What actions did you take during the last growing season to increase the productivity of your crops ?

What actions will you take the coming growing season to increase the productivity of your crops ?

- 11) What would you like to learn ?

5-Participation 2011

WS-3 (2011) Participation Survey (involvement, cognition, attitude and skills)

No:

Date:

Name:

Woreda:

Group:

1) How many times did you visit the experimental field of your group ?

2) What treatment was best according to your observation ?

3) What did you primary learn from the experiment ?

4) How will you use the information ?

5) What is a good idea for the experiment of this year ?

6) Indicate which of the 3 materials are most similar:

manure

compost

medaria

why?:

urea

compost

dap

why ?:

potassium

dap

manure

why ?:

Remarks:

6-Participation 2012

WS-4 (2012) Participation Survey (involvement, cognition, attitude and skills)

No:

Date:

Name:

Woreda:

Group:

1) How many times did you visit the experimental field of your group ?

2) What treatment was best according to your observation ?

3) Indicate which of the 3 topics are most similar:

urea

manure

dap

why ?:

wheat

selected seeds

hanfets

why ?:

few plants

many plants

sowing in rows

why ?:

Remarks:

7-Participation 2013

WS-5 (2013) Participation Survey (involvement, cognition, attitude and skills)

No:

Date:

Name:

Woreda:

Group:

1) How many times did you visit the experimental field of your group ?

2) What treatment will was best according to your observation ?

3) Which treatment would you apply yourself on your own field ?

4) Indicate which of the 3 topics are most similar:

urea+compost

urea+manure

urea+dap

why ?:

attahari

wheat

lentil

why ?:

compost-treatment

control-treatment

urea-treatment

why ?:

Remarks:

8-Participation 2014

WS-6 (2014) Participation Survey (involvement, cognition, attitude and skills)

No: _____ Date: _____ Woreda: _____ Group: _____
 Name: _____

1) How many times did you visit the experimental field of your group ?

2) What treatment will was best according to your observation ?

3) Which treatment would you apply yourself on your own field ?

4) Indicate which of the 3 topics are most similar:

rain	manure	dap	why ?:
control	urea	dap	why ?:
much straw	much seeds	few seeds	why ?:

5) What was most important for you for you during the last 5 years ?

6) What was most important for you in the research project ?

7) What did you learn the last 5 years with respect to agriculture ?

8) What agricultural practices did you change during the last 5 years ?

9) Why did you change them ?

10) Are they copying your practices ?

11) What did you learn the last 5 years with respect to cooperation ?

12) How do you see the future of your children ?

13) How do other people see you for being involved in the research group ?

9-Retrospective 2014

Name:

FS-number:

control/participant

Retrospective 2013 - 2009:

Indicate for each of the following issues how is there present situation on a scale from 1-10. Then also indicate how was the situation 5 years ago (again on a scale from 1-10). On this scale 10 is very good and 1 is very bad.

1-Personal economic situation (*bad ↔ good*)

Actual 1-----2-----3-----4-----5-----6-----7-----8-----9-----10
 Past 1-----2-----3-----4-----5-----6-----7-----8-----9-----10

2-Poverty in the neighborhood (*much poverty ↔ no poverty*)

Actual 1-----2-----3-----4-----5-----6-----7-----8-----9-----10
 Past 1-----2-----3-----4-----5-----6-----7-----8-----9-----10

3-Productivity of the lands (*low productivity ↔ high productivity*)

Actual 1-----2-----3-----4-----5-----6-----7-----8-----9-----10
 Past 1-----2-----3-----4-----5-----6-----7-----8-----9-----10

4-Cooperation in the neighborhood (*limited cooperation ↔ very good cooperation*)

Actual 1-----2-----3-----4-----5-----6-----7-----8-----9-----10
 Past 1-----2-----3-----4-----5-----6-----7-----8-----9-----10

5-Health situation (*bad health situation ↔ very good health situation*)

Actual 1-----2-----3-----4-----5-----6-----7-----8-----9-----10
 Past 1-----2-----3-----4-----5-----6-----7-----8-----9-----10

6-Incidence of soil-erosion (*much erosion ↔ no erosion*)

Actual 1-----2-----3-----4-----5-----6-----7-----8-----9-----10
 Past 1-----2-----3-----4-----5-----6-----7-----8-----9-----10

7-Presence of trees and bushes (*few trees and bushes ↔ many trees and bushes*)

Actual 1-----2-----3-----4-----5-----6-----7-----8-----9-----10
 Past 1-----2-----3-----4-----5-----6-----7-----8-----9-----10

Census data

No household members : wife/husband

children

Area of land owned :

Area of land hired :

Area of land irrigated :

No of livestock : ox cow sheep goat donkey mule camel

Group:

Who is the leader in your group :

Who is vice-leader in your group :

Which group-member do you appreciate most :

How is the cooperation in your group: good – medium – bad

Do you like to be a member of your research group: yes – medium – not

What is the most important benefit from being a member of your research group:

Remarks: