IWMI/LEEDS/NGO Forum/BUET study on pit emptying and composting

March—June 2014

Please ensure that the consent form has been read, and the respondent has consented to participate. Then proceed with the interview.

HOUSEHOLD IDENTIFYING INFORMATION

1. S. No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. BRAC toilet serial S. No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Name of toilet owner: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Name of toilet owner’s husband/ father: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Name of village: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Name of union: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Name of Upazila: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Name of zila: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. GPS North: \_\_\_\_\_\_\_\_\_degrees \_\_\_\_\_\_\_\_\_minutes \_\_\_\_\_\_\_\_\_seconds
10. GPS East: \_\_\_\_\_\_\_\_\_degrees \_\_\_\_\_\_\_\_\_minutes \_\_\_\_\_\_\_\_\_seconds
11. Name of respondent: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ENUMERATORIDENTIFYING INFORMATION

1. Name of enumerator: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Enumerator code: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Date of interview: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Start time of interview: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. End time of interview: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PLEASE START FROM Q18, AND ASK Q17 IN THE END

1. DEMOGRAPHIC INFORMATION:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1: S.no | 2. Name of family member | 3: Gender   1. Male 2. Female | 4: Age | 5: Highest Schooling Attained   1. No schooling 2. Between class 1-5 3. Between class 6-10 4. Between 11-12. 5. Beyond class 12. | 6.Does this person make decisions related to farming for your household?  1. Yes  2. No. | 7.Does this person make decisions regarding your latrine for your household?  1. Yes  2. No. |
| 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |
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| 11 |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |

1. Does your household use a pit latrine?
   1. Yes (Ask Q19) 2. No (Go to Q53)
2. Is this the same pit latrine and is it in the same location as when it was first provided by BRAC?
   1. Yes 2. No

INSTRUCTIONS:

If Q18 =Yes& Q19=Yes then proceed to Q20

If Q18=Yes & Q19=No, then proceed to Q35

HOUSEHOLDS CURRENTLY USING THE PIT LATRINE FINANCED BY BRAC

1. When was the pit latrine provided by BRAC built? \_\_\_\_\_\_\_\_\_years ago (enter -9 if don’t know)
2. How many people are regularly using it? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_people (enter -9 if don’t know)
3. Are any users of this latrine not members of your household?

1. Yes \_\_\_\_\_\_\_\_\_\_\_ (how many) 2. No -9. D.K

1. Has the pit ever been emptied?

1. Yes (Go to Q24) 2. No (Go to Q34) -9. D.K (Go to Q34)

1. How many times has the pit been emptied? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_? (enter -9 if D.K)
2. When was the last time the pit was emptied? \_\_\_\_\_\_\_\_\_\_\_\_\_ months ago? (enter -9 if D.K)
3. Who emptied the pit?
   1. We hired a sweeper from the same village
   2. We hired a sweeper from a different village
   3. We emptied the pit ourselves.
   4. Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-9. D.K

1. Did you have to spend any money on emptying your pit?

1. Yes \_\_\_\_\_\_\_\_\_\_\_\_\_\_BDT 2. No -9. D.K

1. How did you dispose the waste from the pit (check only one option)?
   1. We dug a new pit, buried the waste, and covered it with polythene (Go to Q29)
   2. We dug a new pit, buried the waste, and covered it with polythene, we used lime (Go to Q29)
   3. We dug a new pit, buried the waste, and covered it with polythene, we used kerosene (Go to Q29)
   4. We dug a new pit, buried the waste, and covered it with soil (Go to Q29)
   5. We dug a new pit, buried the waste, and covered it with soil, we used lime (Go to Q29)
   6. We dug a new pit, buried the waste, and covered it with soil, we used kerosene (Go to Q29)
   7. We threw the waste into a water body (Go to Q67)
   8. We threw the waste into a field (Go to Q32)
   9. The sweeper took the waste away (Go to Q67)
   10. Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Go to Q67)

-9. D.K (Go to Q67)

1. How long did you leave the waste covered in the ground? \_\_\_\_\_\_\_ months (enter -9 if D.K)
2. Did you ever take the buried latrine waste out of the ground?

1. Yes 2. No -9. D.K

1. What did you use the buried latrine waste for?/What will you use the buried latrine waste for?
2. Use on farm as manure
3. Fuel for burning fire (GO to Q67)
4. We will never use this waste for anything (Go to Q67)
5. Other: \_\_\_\_\_\_\_\_\_\_\_\_ (specify) (Go to Q67)

-9. D.K (Go to Q67)

1. What kinds of crops did you use the latrine waste on?/ What kinds of crop will you use the latrine waste on (tick all that apply)?

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Wheat | Maize | Oilseeds | Pulses/  lentils | Jute | Sugarcane | Vegetables | Fruits | Roots and Tubers (eg. Potatoes, sweet potato, carrot, radish, beetroot, onions etc.) | Others (specify) |
| Kharif 1  (mid-March to mid-July) |  |  |  |  |  |  |  |  |  |  |
| Kharif II (mid-July to mid-Oct) |  |  |  |  |  |  |  |  |  |  |
| Rabi  (mid-Oct to mid-March) |  |  |  |  |  |  |  |  |  |  |

1. Did you use the latrine waste to grow/ Will you use the latrine waste to grow (check all that apply) :
2. Rice in ‘aus’ season
3. Rice in ‘aman’ season
4. Rice in ‘boro’ season

-9. D.K

INSTRUCTION: Please proceed to Q 67

1. What do you plan to do when the pit fills up (check only one)?
   1. Hire a sweeper to empty the pit.
   2. We will empty the pit ourselves, no sweeper will be hired.
   3. We will cover the pit with soil and build a new pit for the latrine.
   4. Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-9. D.K

INSTRUCTION: Please proceed to Q67

HOUSEHOLDS USING A PIT LATRINE DIFFERENT FROM THE ONE FINANCED BY BRAC

1. What happened to the pit latrine financed by BRAC (check only one)?
2. The pit got filled and we built a new pit latrine (Ask Q36)
3. The pit broke/started leaking; we built a new pit latrine (Go to Q37)
4. The slab broke, and we built a new latrine (Go to Q37)
5. Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Go to Q37)

-9. D.K (Go to Q37)

1. Why did you not get the BRAC financed pit emptied (check all the apply)?
2. We don’t know anyone who would empty the pit.
3. We don’t wish to spend the money to empty the pit.
4. We are not comfortable with emptying the pit.
5. It is easier to build a new pit than empty the old pit.
6. It is cheaper to build a new pit than empty the old pit.
7. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-9. D.K

1. How was this new pit latrine financed (check all that apply)?
2. Borrowed from family/friends to build the new latrine
3. Built latrine from household savings
4. Borrowed from micro-credit society
5. Borrowed money from NGO (e.g BRAC)
6. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-9. D.K

1. When was this new latrine built? \_\_\_\_\_\_\_\_\_\_\_\_\_\_ months ago (enter -9 if D.K)
2. How many people are using this new latrine? \_\_\_\_\_\_\_\_\_\_\_\_people (enter -9 if D,K)
3. Are any users of this newlatrine not members of your household?

1. Yes \_\_\_\_\_\_\_\_\_\_\_ (how many) 2. No -9. D.K

1. Has thisnew pit ever been emptied?

1. Yes (Go to Q42)

2. No (Go to Q52)

-9. D.K (Go to Q52)

1. How many times has this new pit been emptied? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_? (enter -9 if D.K)
2. When was the last time this new pit was emptied? \_\_\_\_\_\_\_\_\_\_\_\_\_ months ago? (enter -9 if D.K)
3. Who emptied this newpit?
4. We hired a sweeper from the same village
5. We hired a sweeper from a different village
6. We emptied the pit ourselves.
7. Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-9. D.K

1. Did you have to spend any money on emptying your newpit?

1. Yes \_\_\_\_\_\_\_\_\_\_\_\_\_\_BDT

2. No

-9. D.K

1. How did you dispose of the waste from the new pit (check only one)?
   1. We dug a new pit, buried the waste, and covered it with polythene (Go to Q47)
   2. We dug a new pit, buried the waste, and covered it with polythene, we used lime (Go to Q47)
   3. We dug a new pit, buried the waste, and covered it with polythene, we used kerosene (Go to Q47)
   4. We dug a new pit, buried the waste, and covered it with soil (Go to Q47)
   5. We dug a new pit, buried the waste, and covered it with soil , we used lime (Go to Q47)
   6. We dug a new pit, buried the waste, and covered it with soil, we used kerosene(Go to Q47)
   7. We threw the waste into a water body (Go to Q67)
   8. We threw the waste into a field (Go to Q50)
   9. The sweeper took the waste away (Go to Q67)
   10. Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Go to Q67)

-9. D.K (Go to Q67)

1. How long did you leave the waste covered in the ground? \_\_\_\_\_\_\_\_\_\_months (enter -9 if D.K)
2. Did you ever take the buried latrine waste out of the ground?

1. Yes 2. No

1. What did you use the latrine waste for?/ What will you use the latrine waste for?
2. Use on farm as manure
3. Fuel for burning fire (Skip to Q67)
4. We will not use this waste for anything (Skip to Q67)
5. Other: \_\_\_\_\_\_\_\_\_\_\_\_ (specify) (Skip to Q67)

-9. D.K (Skip to Q67)

1. What kinds of crops did you use the latrine waste on?/ What kinds of crop will you use the latrine waste on (tick all that apply)?

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Wheat | Maize | Oilseeds | Pulses/  lentils | Jute | Sugarcane | Vegetables | Fruits | Roots and Tubers (eg. Potatoes, sweet potato, carrot, radish, beetroot, onions etc.) | Other (specify) |
| Kharif 1  (mid-March to mid-July) |  |  |  |  |  |  |  |  |  |  |
| Kharif II (mid-July to mid-Oct) |  |  |  |  |  |  |  |  |  |  |
| Rabi  (mid-Oct to mid-March) |  |  |  |  |  |  |  |  |  |  |

1. Did you use the latrine waste to grow/ Will you use the latrine waste to grow (check all that apply) :
   1. Rice in ‘aus’ season
   2. Rice in ‘aman’ season
   3. Rice in ‘boro’ season

INSTRUCTION: Please go to Q 67

1. What do you plan to do when the pit fills up?
   1. Hire a sweeper to empty the pit
   2. We will empty the pit ourselves, no sweeper will be hired
   3. We will cover the pit with soil and build a new latrine.
   4. Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

INSTRUCTION: Please proceed to Q 67

HOUSEHOLDS NOT CURRENTLY USING A PIT LATRINE

1. How many people were using the BRAC financedlatrine initially? \_\_\_\_\_\_\_\_\_\_\_\_\_\_people
2. Were any users of that latrine not members of your household?

1. Yes \_\_\_\_\_\_\_\_\_\_\_\_\_ (how many?) 2. No

1. When did you stop using the latrine? \_\_\_\_\_\_\_\_\_\_\_\_\_months ago.
2. What happened to the pit latrine financed by BRAC (check only one)?
3. The latrine is still in usable condition, but we don’t use it (Go to Q57)
4. The pit got filled (Go to Q58)
5. The pit broke/ started leaking (Go to Q59)
6. The slab broke (Go to Q59)
7. Other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_ (Go to Q59)

-9. D.K (Go to Q59)

1. Why do you not use the latrine (check all that apply)?
2. We prefer not to use a latrine
3. We use the latrine to store things
4. Other \_\_\_\_\_\_\_\_\_\_\_

-9. D.K

INSTRUCTION: GO TO Q64

1. Why did you not get the pit emptied (check all that apply)?
2. We didn’t know anyone who would empty the pit.
3. We don’t know how to empty the pit ourselves.
4. We don’t wish to spend the money to empty the pit
5. We cannot afford to empty the pit ourselves.
6. We are not comfortable with emptying the pit
7. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-9. D.K

1. Did you seal the pit in the ground with soil?

1. Yes 2. No (Go to Q64)

1. Did you ever open the sealed pit and use the latrine waste contents?/Do you plan to ever open the sealed pit and use the latrine waste?

1. Yes 2. No (Go to Q64)

1. What did you use the latrine waste for?/ What will you use the latrine waste for?
2. Manure on farm
3. Fuel for burning fire (Go to Q64)
4. Other: \_\_\_\_\_\_\_\_\_\_\_\_ (specify) (Go to Q64)

-9. D.K (Go to Q64)

1. What kinds of crops did you use the latrine waste on?/ What kinds of crop will you use the latrine waste on (tick all that apply)?

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Wheat | Maize | Oilseeds | Pulses/  lentils | Jute | Sugarcane | Vegetables | Fruits | Roots and Tubers (eg. Potatoes, sweet potato, carrot, radish, beetroot, onions etc.) | Other (specify) |
| Kharif 1  (mid-March to mid-July) |  |  |  |  |  |  |  |  |  |  |
| Kharif II (mid-July to mid-Oct) |  |  |  |  |  |  |  |  |  |  |
| Rabi  (mid-Oct to mid-March) |  |  |  |  |  |  |  |  |  |  |

1. Did you use the latrine waste to grow/ Will you use the latrine waste to grow (check all that apply) :
2. Rice in ‘aus’ season
3. Rice in ‘aman’ season
4. Rice in ‘boro’ season
5. We would like to know if the adult women (>15 years) in your household have any kind of access to any pit-latrine (check all that apply)
6. No access to any latrine
7. Occasionally use latrine belonging to a neighbor/friend
8. Occasionally use latrine belonging to a relative
9. Latrine in school/college
10. Latrine while at work
11. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. We would like to know if the adult men (>15 years) in your household have any kind of access to any pit-latrine (check all that apply)
13. No access to any latrine
14. Occasionally use latrine belonging to a neighbor/friend
15. Occasionally use latrine belonging to a relative
16. Latrine in school/college
17. Latrine while at work
18. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
19. We would like to know if the children (<15 years) in your household have any kind of access to any pit-latrine (check all that apply)
20. No access to any latrine
21. Occasionally use latrine belonging to a neighbor/friend
22. Occasionally use latrine belonging to a relative
23. Latrine in school/college
24. Latrine while at work
25. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

GO TO Q67

PERCEPTIONS REGARDING PIT EMPTYING AND WILLINGNESS TO PAY FOR PIT EMPTYING

1. If you had to empty a pit latrine manually (using a bucket and spade), where would you hire a person who does such a job? Please choose the most applicable response for your family.
2. We would empty the pit ourselves.
3. Know of a sweeper in my village
4. Know of a sweeper outside my village
5. Know of a sweeper in the upazila
6. I will ask my family/friends for information
7. I do not know any sweeper, and do not know who to ask.
8. Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please think about the pit latrine that was built for you through BRAC. If you empty the pit yourself, you would not have to pay any money to a sweeper for emptying. But you would have to dispose the waste yourself, either by burying the waste in a pit near your house, or by throwing it into a water body nearby. If you hire a sweeper, he would be able to empty your pit, and take the waste far way from your house. You would have to spend money to hire the sweeper, but your house, fields, and the nearby water bodies would be clean and not polluted. We are interested in understanding if you value the waste from your pit latrine being taken far away from your house.

1. Would your household be willing to pay BDT \_\_\_\_\_ to empty the pit, so that the waste if taken farm away from your house?
2. Yes (Go to Q69) 2. No (Go to Q 70)
3. Would your household be willing to pay BDT \_\_\_\_\_ to empty the pit, so that the want is taken far away from your house?

1. Yes 2. No

GO TO

1. Would your household be willing to pay BDT \_\_\_\_\_ to empty the pit, so that the waste is taken far away from your house?

1.Yes 2. No

GO TO

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Please hold these 10 stones in your hand, and use them to answer the questions I am about to ask you, by putting them down on the ground. You may put down on the ground as many stones as you feel in order to answer the question according to your opinion. Let us practice a few questions. For example:

* Do you think the sun will rise tomorrow morning? We know that the sun rises every day; so in this case, you would put all 10 stones on the ground.
* Do you think two suns will rise tomorrow morning? We know that two suns will certainly not rise tomorrow; so in this case you would not put down any stones.
* Do you think it would rain a week from now? This is an event that may or may not occur. If you feel that it is less likely to rain, then you may put down 2 or 3 stones. If you feel it is very likely to rain, you may put down 7 or 8 stones.

Please answer the following questions now, so that we can understand your perceptions regarding pit emptying.

1. In your opinion, how clean do you think the process of emptying a pit with a bucket and spade is?(10 stones = completely clean; no stones=not clean at all) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ stones
2. In your opinion, how safe do you think the process of emptying a pit with a bucket and spade is for the health of your family? (10 stones = completely safe; no stones = not safe at all) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ stones
3. Please think about the amount of time you think it would take for you to find a person who can empty a pit using a bucket and spade. How convenient do you think it would be for you to find such a person? (10 stones = completely convenient; no stones = not convenient at all) \_\_\_\_\_\_\_\_\_\_\_\_stones

While manual emptying is the usual practice of pit emptying, it is also possible to empty a pit using a machine. In this method, a pipe would be put into the pit, and a small pump would pull the waste in the pit out, directly into a tank. Here is a picture of what such a machine looks like.

1. In your opinion, how clean do you think the process of emptying a pit with a machine is? (10 stones = completely clean; no stones=not clean at all) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ stones
2. In your opinion, how safe do you think the process of emptying a pit with a machine is for the health of your family? (10 stones = completely safe; no stones = not safe at all) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ stones
3. Please think about the amount of time you think it would take for you to hire a machine for emptying a pit. How convenient do you think it would be for you to hire such equipment? (10 stones = completely convenient; no stones = not convenient at all) \_\_\_\_\_\_\_\_\_\_\_\_stones

You may put the stones away now.

1. What do you think takes greater time (check only one)?
2. Emptying a pit manually using a bucket/spade
3. Emptying a pit mechanically using a machine.

-9. D.K

1. What do you think is more expensive (check only one)?
2. Emptying a pit manually using a bucket/spade
3. Emptying a pit mechanically using a machine

-9. D.K

1. Overall, for your household, what method of pit emptying would be more suitable (check only one)?
2. Emptying a pit manually using a bucket/spade
3. Emptying a pit mechanically using a machine

-9. D.K

PLEASE GO TO Q80

FARMING PRACTICES, FERTILIZER AND COMPOST USE

1. How much land does your household own and cultivate personally? \_\_\_\_\_\_\_\_ (PLEASE ENTER UNITS) (enter ‘0’ if household owns no land)
2. How much land doesyour household rent from someone else? \_\_\_\_\_\_\_\_\_ (PLEASE ENTER UNITS) (enter ‘0’ if household rents no land for someone else)
3. How much land does your household rent to someone else? \_\_\_\_\_\_\_\_\_\_ (PLEASE ENTER UNITS) (enter ‘0’ if household rents no land to someone else)

INSTRUCTION:

* If answer to either Q80 or Q81 is greater than ‘0’, then please proceed to Q83 and follow the instructions.
* If answer to **both** Q80 and Q81 is ‘0’, then skip to Q94.

1. During which cropping season is your use of fertilizer (N,P,K) typically the greatest?
2. Kharif I (March-July)
3. Rabi (October-March)
4. Kharif II (July-October)

-9. D.K

1. Please think about the crops you have grown on your land during the current kharif I season (March 2014-July 2014), the last rabi season (October 2013-March 2014), and the previous kharif II season (July 2013-October 2013)

|  |  |  |  |
| --- | --- | --- | --- |
|  | 1.Have you grown this crop?  1.Yes  2. No | 2. Did you use any chemical fertilizer for growing this crop?  1.Yes  2.No | 3. Did you use any organic compost for growing this crop (e.g poultry litter, cowdung, organic compost)  1.Yes  2.No |
| Rice Aus |  |  |  |
| Rice Aman |  |  |  |
| Rice Boro |  |  |  |
| Jute |  |  |  |
| Maize |  |  |  |
| Chillies |  |  |  |
| Groundnut |  |  |  |
| Wheat |  |  |  |
| Oilseeds |  |  |  |
| Pulses (Moong,Masoor) |  |  |  |
| Potato |  |  |  |
| Vegetables |  |  |  |
| Sugarcane |  |  |  |
| Other: |  |  |  |
| Other: |  |  |  |
| Other: |  |  |  |

1. Please think about your fertilizer use during the current kharif I season (March 2014-July 2014), the last rabi season (October 2013-March 2014), and the previous kharif II season (July 2013-October 2013). I will now ask you some questions on the quantity of fertilizer you purchased. Please tell me how many kilograms of fertilizers you purchased in the different agricultural seasons.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Unit | Urea (N-fertilizer) | TSP/DAP (P-fertilizer) | MOP (K fertilizer) | Organic compost | Poultry litter | Cow dung |
| KharifI : March 2014- July 2014 | kg |  |  |  |  |  |  |
| Rabi: October 2013 – March 2014 | kg |  |  |  |  |  |  |
| Kharif II: July 2013-October 2013 | kg |  |  |  |  |  |  |

1. Please think about your fertilizer use during the current kharif I season (March 2014-July 2014), the last rabi season (October 2013-March 2014), and the previous kharif II season (July 2013-October 2013). I will now ask you some questions on the price per kilogram of fertilizer you purchased. Please tell me the price of fertilizers you purchased in the different agricultural seasons.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Unit | Urea (N-fertilizer) | TSP/DAP (P-fertilizer) | MOP (K fertilizer) | Organic compost | Poultry litter | Cow dung |
| KharifI : March 2014- July 2014 | BDT/Kg |  |  |  |  |  |  |
| Rabi: October 2013 – March 2014 | BDT/kg |  |  |  |  |  |  |
| Kharif II: July 2013-October 2013 | BDT/kg |  |  |  |  |  |  |

1. Please take these stones. When you buy chemical fertilizer, which of these factors are important? Please use these stones to indicate how important these factors are. Putting no stones of the ground means that this factor is not important to you at ll. Putting all 10 stones on the ground means this factor is very important.

|  |  |
| --- | --- |
| 1. Price |  |
| 2. N-P-K content |  |
| 3. Certification—government approved |  |
| 4. Certification—BRAC approved |  |
| 5. Ease of applying fertilizer to crops |  |
| 6. Ease of storing fertilizer |  |
| 7. Convenient location for buying fertilizer |  |
| 8. Availability of credit for buying fertilizer |  |
| 9. Locally made |  |
| 10. What friends/neighbors are using |  |

GO TO Q88

PERCEPTIONS REGARDING COMPOST USE AND WILLINGNESS TO USE A FS COMPOST PRODUCT

1. What is compost useful for in agriculture? (check all that apply)?
2. It makes soil fertile
3. It improves soil moisture
4. It reduces erosion
5. Other \_\_\_\_\_\_\_\_
6. What is compost usually made of (check all that apply)?
7. Animal excreta (manure)
8. Plant waste (leaves etc)
9. Kitchen waste from homes
10. Waste from latrines
11. Rubbish, such as paper
12. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-9. D.K

Think about the number of kilograms of urea, TSP, DAP and other fertilizers your household purchases in one year. Think about the prices of these chemical fertilizers.

Now, we would like to ask you some questions about anew organiccompost product. This organic compost has not yet been made, and we would like to know your opinion about making such an organic compost product.

As you may know, organic compost can be created from waste in pit latrines. We are planning to collect waste from pit latrines, transporting it to a composting factory, drying it thoroughly, and then processing it. We will mix this waste from pit latrines with cow dung, poultry litter etc. When making this kind of compost, nutrients like urea, lalshar,matiashar can also be added to make it suitable for applying to crops. You would be able to reduce the amount of fertilizer you use if you were to use this new type of compost. It would also help to keep soil moist for longer times. This compost would be sold in bags, just the way the chemical fertilizers and organic composts are now sold. Finally, this compost would be made in a manner that it would be safe to use in agriculture. Here is a photograph of such a product.

Now answer these questions for us.

1. Would your household be willing to pay BDT \_\_\_\_\_ for a kilogram of this type of compost?

1. Yes (Go to Q91) 2. No (Go to Q 92)

1. Would your household be willing to pay BDT \_\_\_\_\_ for a kilogram of this type of compost?
2. Yes (Go to Q 93) 2. No (Go to Q93)
3. Would your household be willing to pay BDT \_\_\_\_\_ for a kilogram of this type of compost?

1.Yes (Go to Q93) 2. No (Go to Q93)

1. Please tell us your opinion, using the stones provided to you. The more stones you put on the ground, the more you agree with the statement. If you put all 10 stones on the ground, that means that you completely agree with the statement.

|  |  |
| --- | --- |
| 1. I would buy a compost made from pit latrine waste if it’s price is the same as urea/TSP |  |
| 2.I would buy a compost made from pit latrine waste it is mixed with N-P-K to make it better |  |
| 3.I would buy a compost product made from pit latrine waste if it is certified by the government. |  |
| 4.I would buy a compost product made from pit latrine waste if it is marketedby BRAC. |  |
| 5. I would buy a compost product made from pit latrine waste if it is made by BRAC |  |
| 6.I would buy a compost product made from pit latrine waste if it is made into pellets, rather than as a powder. |  |
| 7. I would prefer a compost made from pit latrine waste to look like any other compost available in Bangladesh |  |
| 8.I would buy a compost product made from pit latrine waste if it is easy to store. |  |
| 9. I would buy a compost product made from pit latrine waste if it is available at a convenient location. |  |
| 10.I would buy a compost product made from pit latrine waste if credit for buying it was made available |  |
| 11.I would buy a compost product made from pit latrine waste if it is locally made, rather than imported. |  |
| 12.I would buy a compost product made from pit latrine waste if it is safe to handle and use |  |
| 13.I would buy a compost product made from fecal sludge is my friends/neighbors are also buying it. |  |

GO TO Q94

INCOME AND ASSETS OF HOUSEHOLD

1. Which of the following activities are the members of your household taking part in?
   1. Farming household’s own land
   2. Renting land and farming it
   3. Working on other’s farms
   4. Fishing
   5. Non-farming occupations
   6. Own business
   7. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(specify)

-9. D.K

1. Please rank the following sources of income in order of importance for your household (1=greatest share of household income is attributed to this source)
2. Income from farming household’s own land \_\_\_\_\_\_\_\_
3. Income from renting land and farming it \_\_\_\_\_\_\_\_
4. Income from working on other’s farms \_\_\_\_\_\_\_\_
5. Income from earning wages in non-farming occupations \_\_\_\_\_\_\_\_
6. Income from own business \_\_\_\_\_\_\_\_
7. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(specify) \_\_\_\_\_\_\_\_

-9. D.K

1. Please indicate the structure of the walls of your house (check only one)
   1. Straw/thatch
   2. Metal sheets (eg.aluminum)
   3. Bricks
   4. Cement
   5. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Please indicate the structure of the roof of your house (check only one)
   1. Straw/thatch
   2. Metal sheets (eg. aluminum)
   3. Bricks
   4. Cement
   5. Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Please give us an estimate of your household’s income between April2013 and April2014 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ BDT