# MYANMAR FARMING QUESTIONNAIRE

**Module 1. Socio-demography, family and health**

# Theme 1: Socio-demographic

1. Gender:
   1. Male
   2. Female
2. Age: …… years
3. Current marital status – *only one response*
   1. never married
   2. married
   3. separated
   4. divorced
   5. widow/widower
4. What is the highest education grade/level you have completed?

a. None

b. Grade 01-11

c. College

d. Vocational training

e. Undergraduate diploma

f. Graduate

g. Postgraduate diploma

h. Masters degree

i. PhD

j. Other …..explain……

1. For all the members of your household, please fill in their relationship to you, gender and age:

|  |  |  |
| --- | --- | --- |
| Relationship  1. children  2. grandchildren  3. children-in-law  4. parents  5. parents in law  6. siblings  7. other family  8. other non family | Gender  1. male  2. female | Age |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

1. Where do your other parents, parents in law, children and siblings live (the ones not in the same household)?

|  |  |  |
| --- | --- | --- |
| Relationship  1. children  2. parents  3. parents in law  4. siblings | Gender | Location  1. same building (separate household)  2. In same village/town in walking distance  3. In same village/town, not in walking distance  4. In another village/town, but close enough for regular visits  5. In another village/town, but too far for regular visits  6. In another country  7. No longer alive |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

1. Has any member of your household left your household in the last 2 years to work outside the village?
   1. Yes………..Who? (give relationship, e.g. son, son-in-law)..............Age (for each one)
   2. No
2. Does any member of your household work outside of the village for part of the year?
   1. Yes………..Who? (give relationship, e.g. son, son-in-law)..............Age (for each one)
   2. No
3. A question about your ownership of farming land:
   1. Do you own or rent (or both) farming land and work the land?

Yes (go to question 8)

No

* 1. Do you own farming land but NOT work the land?

Yes (go to question Theme 2, question 1)

No

* 1. Are you landless, but work the land?

Yes (go to question 9)

No

* 1. Do some other kind of work?

Yes ……what kind of work…… (go to question 9)

1. When you are no longer able to work your land, what will you do with your land?

a. My children will continue to farm the land

b. I will rent the land out

c. Other family members will farm the land

f. Something else – what? ……………….

Now go to question Theme 2, 1.

**For those answering question 7c and 7d:**

1. What is your main source of income?
2. Expectations for children

**Thank you – we have no further questions**

**Theme 2: The contribution to and dependency on family and community networks**

1. Here are some statements about family responsibilities. To what extent do you agree with each of them?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *Strongly agree* | *Agree* | *Neither agree nor disagree* | *Disagree* | *Strongly disagree* |
| It is the duty of a parent to do his/her best for his/her children even at the expense of their own well-being |  |  |  |  |  |
| It is the duty of grandparents to be there for their grandchildren in times of difficulty (e.g. illness, divorce) |  |  |  |  |  |
| It is the duty of grandparents to contribute to the economic security of their family (i.e their children and their grandchildren) |  |  |  |  |  |

1. Who should be primarily responsible for each of the following? *Select one answer in each row:*

|  |  |  |  |
| --- | --- | --- | --- |
|  | *Self* | Family | *Community* |
| Financial support for older persons in need? |  |  |  |
| Practical help in the home for older persons in need? (e.g. cleaning, shopping, cooking) |  |  |  |
| Personal care for older persons in need? (e.g. nursing, bathing, dressing)their children and their grandchildren) |  |  |  |
| Help in farming for older person in need? |  |  |  |

**Theme 3: Health**

1. How is your health in general?

1. Very good
2. Good
3. Fair
4. Poor
5. Very poor

2. Who carries out the following tasks? If not yourself, do you pay them?

|  |  |  |
| --- | --- | --- |
| Task: | Who does it? | Pay them? (yes/no) |
| Land preparation/Ploughing |  |  |
| Sowing/Planting |  |  |
| Transplanting |  |  |
| Managing pests |  |  |
| Weeding |  |  |
| Harvesting  Making regular visits to field |  |  |

1. Do you personally have difficulty with any of the following tasks?

|  |  |  |
| --- | --- | --- |
| Task: | Yes | No |
| Ploughing |  |  |
| Planting |  |  |
| Transplanting |  |  |
| Spraying pesticides |  |  |
| Checking field |  |  |
| Harvesting |  |  |

1. Do you have difficulty with any of the following?
   1. Seeing, even if wearing glasses: Yes No
   2. Hearing, even if using a hearing aid: Yes No
   3. Walking: Yes No
   4. Climbing steps: Yes No
   5. Carrying heavy items: Yes No
   6. Remembering things: Yes No
   7. Concentrating: Yes No

**Module 2. Farming:**

1. How old were you when you your first farm land?

Age, …. years.

1. Do you now own more or less farm land than when you acquired your first farm land?

More Less

1. Which of following crops do you grow on your land, and is the crop grown for subsistence, sale or both??

|  |  |  |  |
| --- | --- | --- | --- |
| Crop  a. sesame  b. sunflowers  c. groundnuts  d. pigeon pea/bean  e. green gram  f. other pulses  h. sorghum  I. cotton  j. rice  k. onion  l. sugarcane  m. maize  n. wheat  p. other (specify) | Subsistence | Sale | ReasonBoth |
|  | Yes | No | Sometimes |
| If “rice”, do you have two seasons per year? |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

1. What is the size of the land you farm? …….acres
2. How far is your land from your home? ……miles **OR** ……..kms
3. Do you own or rent oxen/bullocks/buffalo for land preparation?

Own How many?

Rent How many?

1. Do you have access to natural fertilizer?
   1. Yes
      1. what?
   2. No
2. Do you own/rent a hand tractor?
   1. Own How many?
   2. Rent How many? From whom?
3. Do you normally hire labour to help with the following farming tasks? If so, how many people?

|  |  |  |
| --- | --- | --- |
| Task: | Yes or No | From village? Yes or No |
| Land preparation/Ploughing |  |  |
| Sowing/Planting |  |  |
| Transplanting |  |  |
| Managing pests |  |  |
| Weeding |  |  |
| Harvesting  Making regular visits to field |  |  |

1. When did you last have contact with the Agricultural Extension Services?
   1. Within the last 12 months
   2. Between 1 and 2 years ago
   3. More than 2 years ago
2. Have you ever received any advice from the Agricultural Extension Services?
   1. Yes, if so to do with what………?
   2. No
3. Have you noticed the arrival of new pests in the last 5-10 years?
   * 1. Yes ……if so have you changed your way of farming?

Yes …………if so, how? No

* 1. No……but does this cause you concern for the future of your farming? Yes No Don’t know

1. Have you noticed any changes in the climate here in the last 5-10 years (hotter, wetter, more unpredictable weather, more extreme weather?
   * 1. Yes ……if so have you changed your way of farming?

Yes …………if so, how? No

* 1. No……but does this cause you concern for the future of your farming? Yes No Don’t know

1. I would like to ask some questions about changes in farming techniques and technologies as well as adoption of new techniques and technologies.

Within the last 5 years, have you

* 1. Started planting new crops? Yes/No/Don’t know
  2. Stopped growing any old crops? Yes/No/Don’t know
  3. Changed seed variety (but for the same crop)? Yes/No/Don’t know
  4. Introduced a new cropping system:
* Use of mixed cropping or inter-cropping? Yes/No/Don’t know
* New crop on fallow land/ double cropping? Yes/No/Don’t know
* Plant spacing? Yes/No/Don’t know
  1. Bought a hand tractor? Yes/No/Don’t know
  2. Started renting a hand tractor? Yes/No/Don’t know
  3. Started using other farm machinery (for example drum seeder, mechanical thresher)?

Yes/No/Don’t know

* 1. Changed your way of managing water? Yes/No/Don’t know

1. Compared with 5 years ago, do you think you are making more profit from your farming?
2. Do you rotate any your crops?
   1. Yes…..if so, which crops?

And if yes, what is the main reason you rotate your crops?

* Because I always have
* Because it is good for the soil
* Because my field is suited to crop rotation
* Because I sell other crops
* Because I eat other crops
* Because I receive a subsidy
* Other
  1. No

If No, what is the **main** reason you do not rotate your crops?

* Because I never have
* Because my field is not suited to crop rotation
* Because I do not have the time
* Because I do not have the help
* Because I do not have the money
* Other

1. The **three most important sources** of my knowledge for farming the land are (note just 3 of the following)

* My neighbours
* Other farmers
* My family
* TV and radio
* Retailers
* Co-op/ Plant Protection Agency
* Training I have received
* My own experience
* Traditions
* Other ….who or what?

1. Do you think pests here are changing?
   1. Not changing (go to question 22)
   2. Yes changing (go to question 21)
   3. Don’t know (go to question 22)
2. What do you think are **the three main reasons** forpests changing?
   * Weather
   * Water
   * Inappropriate fertilization
   * Overgrown borders
   * Reduction in natural predators (snakes, cats)
   * Shallow, mechanised ploughing
   * Neighbouring farmers
   * Rice seed/ species- some more/ less resistant
   * Field type
   * Timing of fertilizer/ pesticide application
   * Other
3. Do you think pests here are increasing?
   1. Not increasing (go to question 24)
   2. Yes increasing (go to question 23)
   3. Don’t know (go to question 24)
4. What do you think are **the three main reasons** forpests increasing?
   * Weather
   * Water
   * Inappropriate fertilization
   * Overgrown borders
   * Reduction in natural predators (snakes, cats)
   * Shallow, mechanised ploughing
   * Neighbouring farmers
   * Rice seed/ species- some more/ less resistant
   * Field type
   * Timing of fertilizer/ pesticide application
   * Other
5. Do you think crop diseases here are changing?
   1. Not changing (go to question 26)
   2. Yes changing (go to question 25)
   3. Don’t know (go to question 26)
6. What do you think are **the three main reasons** forcrop diseases changing?
   * Weather
   * Water
   * Inappropriate fertilization
   * Overgrown borders
   * Reduction in natural predators (snakes, cats)
   * Shallow, mechanised ploughing
   * Neighbouring farmers
   * Rice seed/ species- some more/ less resistant
   * Field type
   * Timing of fertilizer/ pesticide application
   * Other
7. Do you think crop diseases here are increasing?
   1. Not increasing (go to question 28)
   2. Yes increasing (go to question 27)
   3. Don’t know (go to question 28)
8. What do you think are **the three main reasons** forcrop diseases increasing?
   * Weather
   * Water
   * Inappropriate fertilization
   * Overgrown borders
   * Reduction in natural predators (snakes, cats)
   * Shallow, mechanised ploughing
   * Neighbouring farmers
   * Rice seed/ species- some more/ less resistant
   * Field type
   * Timing of fertilizer/ pesticide application
   * Other
9. Do you think your crop yields are increasing or decreasing over time?
   1. Increasing (go to question 29)
   2. Decreasing (go to question 30)
   3. Don’t know (go to question 31)
10. Why do you think your crop yields are increasing?
    1. Changed seeds
    2. Changed planting methods
    3. Better pest management
    4. Better water management
    5. New machinery
    6. Other (specify)

Go to question 31

1. Why do you think your crop yields are decreasing?
   1. Decline in soil quality
   2. Decline in seed quality
   3. Not enough rain when needed
   4. Too much rain at the wrong time
   5. New pests
   6. Not enough labour at harvest time
   7. Other (specify)
2. What are **the three main challenges** that **YOU** face with farming? My health

* Credit
* Debts to pay off
* No son or son-in-law to help on the farm
* Shortage of labour to hire
* Water supply
* Low prices for crops
* Soil quality
* Lack of storage capacity after harvest
* Unpredictable weather
* New pests
* Other

1. What are **the three main challenges** that **THE COMMUNITY AS A WHOLE** face with farming?

* Young people leaving the village
* Shortage of labour to hire
* Low prices for crops
* Unpredictable weather
* Water supply
* Soil quality
* Lack of storage capacity after harvest
* Information about new farming techniques
* Access to machinery
* New pests
* Other

**Module 3:**

* + - 1. **Rice varieties**

Q1. For each plot from the table in Q3 Module 2 – use same plot codes:

|  |  |  |  |
| --- | --- | --- | --- |
| Plot  code | 1. variety summer | 2. variety spring | 3. rotation |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

1. Which rice variety did you plant in the most recent season (Summer)?
2. Which rice variety did you plant in the previous season (Spring)?
3. If you do rotation between rice seasons, which crop did you plant most recently?

Q2. Do you grow any other rice varieties than the ones recommended by the co-operative?

1. Yes
2. No

Q3. Do you experiment with new rice varieties (Are you growing a new rice variety that you have not grown before this year)?

1. Yes
2. No ->Q6.

Q4. If yes, on what proportion of your rice fields do you grow them?

Q5. If yes, where did you hear about the new rice variety?

* 1. Neighbouring farmers
  2. TV, newspapers
  3. Private vendors
  4. Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q6. Do you think in your commune experimenting with new rice varieties can lead to:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Definitely |  | Not sure |  | Not at all |
| Higher yields |  |  |  |  |  |
| Greater use of chemicals |  |  |  |  |  |
| Fewer pests |  |  |  |  |  |
| Better rice quality/taste |  |  |  |  |  |

Q7. When you personally decide about experimenting with new rice varieties, how important is the effect on:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Very important |  | Not sure |  | Not important at all |
| Higher yield |  |  |  |  |  |
| Greater use of chemicals |  |  |  |  |  |
| Fewer pests |  |  |  |  |  |
| Better rice quality/taste |  |  |  |  |  |

Q8. Do you think in your commune experimenting with new rice varieties is limited by:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Definitely |  | Not sure |  | Not at all |
| Insufficient knowledge/  information |  |  |  |  |  |
| Limited access to seeds |  |  |  |  |  |
| Farmers being afraid of failure |  |  |  |  |  |
| Field characteristics |  |  |  |  |  |

Q9. How important are these limitations for you personally, when you decide about experimenting with new rice varieties:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Very important |  | Not sure |  | Not important at all |
| Insufficient knowledge/  information |  |  |  |  |  |
| Limited access to seeds |  |  |  |  |  |
| Being afraid of failure |  |  |  |  |  |
| Field characteristics |  |  |  |  |  |

Q9. How much is experimenting with new rice varieties appreciated by your:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Very much |  | Not sure |  | Not at all |
| Neighbouring farmers |  |  |  |  |  |
| Household members |  |  |  |  |  |

Q10. When you decide about experimenting with new rice varieties, how much do you personally care about the opinion of:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Very much |  | Not sure |  | Not at all |
| Neighbouring farmers |  |  |  |  |  |
| Household members |  |  |  |  |  |

1. **Preventative Pesticide Spraying**

Q1. Record of pesticide use during last rice season (Spring 2016)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Application: | 1. Days after transplant | 2. Name of pesticide | 3. Target pest | 4. Reason for spraying |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

For each spraying:

1. How many days after transplant did you spray?
2. Name of pesticide (to include all pesticides: insecticides, fungicides and herbicides)
3. Which pest were you targeting?
4. Why did you spray?
   1. Saw pests in the field
   2. Public announcement
   3. Suggested by friends/neighbours
   4. Preventative spraying

Q2. Do you think farmers spraying preventatively in your commune can lead to:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Definitely |  | Not sure |  | Not at all |
| Less pest damage |  |  |  |  |  |
| Greater crop yield |  |  |  |  |  |
| Chemical pollution |  |  |  |  |  |
| Fewer ‘good animals’ |  |  |  |  |  |

Q3. When you personally decide whether or not to spray preventatively, how important is its effect on:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Very important |  | Not sure |  | Not important at all |
| Pest damage |  |  |  |  |  |
| Crop yield |  |  |  |  |  |
| Levels of chemical pollution |  |  |  |  |  |
| Number of ‘good animals’ |  |  |  |  |  |

Q4. Do you think in your commune correct pesticide application is limited by:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Definitely |  | Not sure |  | Not at all |
| Insufficient knowledge/  Information of farmers |  |  |  |  |  |
| How frequently farmers check their fields |  |  |  |  |  |
| How accurate the public announcements are |  |  |  |  |  |
| How afraid farmers are of pest damage |  |  |  |  |  |

Q5. How important are these factors for you personally, when you decide about spraying with pesticides:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Very important |  | Not sure |  | Not important at all |
| Insufficient knowledge/  Information |  |  |  |  |  |
| How frequently you check your fields |  |  |  |  |  |
| How accurate the public announcements are |  |  |  |  |  |
| How afraid you are of pest damage |  |  |  |  |  |

Q6. How much is correct pesticide application important for the:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Very much |  | Not sure |  | Not at all |
| Neighbouring farmers |  |  |  |  |  |

Q7. When you decide about pesticide spraying, how much do you personally care about the opinion of:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Very much |  | Not sure |  | Not at all |
| Neighbouring farmers |  |  |  |  |  |