# MYANMAR FARMING QUESTIONNAIRE

**Module 1- Q1 to Q15** Themes: Household details, health, Income, credit. ALL

**Module 2 Q16 to Q45** Themes: Access to land, farm management**:** Respondents who own or rent land

**Module 3 Q46 to 53** Challenges, future and legacy ALL respondents

**Module 4 Q53** Progress ALL respondents

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Module 1.**

1. Gender:
   1. Male
   2. Female
2. Age: \_\_\_\_\_\_\_\_
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 – *only one response*

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: \_\_\_\_\_\_\_\_\_\_

1. How is your health in general?
2. Very good
3. Good
4. Fair
5. Poor
6. Very poor
7. 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
8. For all the members living of your household, please fill in their relationship to you, gender and age. We also want to know if they work outside the village for part of the year.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 7. 1 Name or ID | 7.2 Relationship   1. spouse 2. children 3. grandchildren 4. children-in-law 5. parents 6. parents in law 7. siblings 8. other family 9. other non-family | 7.3 Gender  a) male  b) female | 7.4 Age | 7.5. Works outside the village part of the year?  Yes (→ 7.6)  No | * 1. Where?  1. In another village/town in the same township 2. In another township 3. In a city in Myanmar (e.g. Yangon or Mandalay) 4. In another country |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

1. List former household members who have moved out:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 8.1 Relationship   1. spouse 2. children 3. grandchildren 4. children-in-law 5. parents 6. parents in law 7. siblings 8. other family 9. other non family | 8.2 Gender  a) male  b) female | 8.3 Age | 8.4 Reason for moving:   1. Employment (search for employment) 2. Education 3. Marriage 4. Followed family 5. Conflict 6. Other? | 8.5 Location of move   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 | 8.6 Year of move |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

1. What the first most important source of income for your household? \_\_\_\_\_\_\_\_\_\_\_\_
2. What is the second most important source of income for your household? \_\_\_\_\_\_\_\_
3. What is the third most important source of income for your household?\_\_\_\_\_\_\_\_\_\_

Codes for Q9 to Q11:

* 1. Sale of rice/paddy
  2. Sale of sesame
  3. Sale of other cereals (maize, wheat, oats, sorghum etc)
  4. Sale of beans, pulses and peanuts
  5. Sale of vegetables
  6. Sale of other crops/agricultural products
  7. Sale of livestock or livestock products
  8. Sale of fish, prawns etc and processed fish products
  9. Casual labour – agriculture
  10. Casual labour – fishery
  11. Casual labour - forestry
  12. Casual labour – other
  13. Small business – production
  14. Small business – transport
  15. Small business – trading
  16. Regular full time employment
  17. Regular part time employment
  18. Remittances
  19. Pension
  20. Government assistance
  21. Other sources

1. What is the average total income of your household in a normal month?
   1. Less than Kyat 25,000
   2. Kyat 25,000 – 50,000
   3. Kyat 50,000 – 75,000
   4. Kyat 75-000-100,000
   5. Kyat 100,000 – 150,000
   6. Kyat 150,000 – 200,000
   7. Kyat 200,000 – 250,000
   8. Kyat 250,000 – 300,000
   9. Over Kyat 300,000
   10. Don’t know/ no response
2. How does your household income compare to the previous year?
   1. Increased
   2. Same
   3. Decreased
   4. Don’t know/no response
3. Have you taken a loan in the last 12 months?
   1. Yes
   2. No
4. Thinking of the largest loan you have taken in the last 12 months, who did you borrow from?
   1. Village Savings and Loans Association
   2. Family
   3. Friend
   4. Money lender
   5. Shopkeeper
   6. Micro-credit provider (low interest)
   7. Pre-sale of product to trader
   8. Government Agricultural Bank
   9. Private bank
   10. Other(specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Module 2. Land access and management**

1. Do you own any farmland?
   1. Yes
   2. No (-> go to Q21)
2. How many acres of you own? \_\_\_\_\_\_\_\_
3. How many acres of your own land are you cultivating? \_\_\_\_\_\_\_\_\_\_
4. Are you leasing any of your farmland?
   1. Yes
   2. No (-> go to Q21)
5. How many acres of your farmland are you leasing?\_\_\_\_\_\_\_\_\_\_\_
6. Are you renting any farmland?
   1. Yes
   2. No – go to Q24
7. How many acres of land are you renting? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Those who do not own or rent any land, go to Q46

1. How many acres of rented land are you cultivating?\_\_\_\_\_\_\_\_
2. Who is responsible for *managing* the farming activities on the land you own or rent?
   1. me alone – go to Q27
   2. me and another family member \_\_\_\_\_\_\_\_\_\_\_(state name/ID as in Q7) go to Q27
   3. another family member\_\_\_\_\_\_\_\_\_\_\_\_\_\_( state name/ID as in Q7)
   4. a tenant – go to Q46
3. Were you at any time in the past in charge of managing the farming activities on the land you own?
   1. Yes
   2. No -> go to Q46
4. How many years ago did you stop being in charge of managing the farming activities on land you had access to? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ go to Q46
5. Do you visit your fields/land most days?
   1. Yes
   2. No
6. When you are no longer able to visit your land, what will you do with it? (One option only)

a. I will continue to manage the farm jointly with one of my children/children-in-laws. *Please state relationship*\_\_\_\_\_

b. I will hand over the management of the farm to one of my children/in-law. *Please state relationship* \_\_\_\_\_\_\_

c. I will continue to manage the farm jointly with another member of my family (i.e. not children or children-in-law). *Please state relationship* \_\_\_\_

d. I will hand over the management of the farm to another member of my family (i.e. not children or children-in-law). *Please state relationship* \_\_\_\_\_\_\_

e. I will rent out the land

f. I will try to sell the land

g. Something else – what? ……………….

1. How far away from your home is your land? \_\_\_\_\_\_\_\_miles/kms (*if you have more than one plot, give distance for farthest plot*)
2. Has the size of your farm (including the land you farm yourself) increased in the last five years?
   1. Yes bought \_\_\_\_\_\_\_\_\_acres
   2. Yes, rented \_\_\_\_\_\_\_\_\_acres
   3. No
3. Has the size of your farm (including the land you farm yourself) decreased in the last five years?

|  |  |  |
| --- | --- | --- |
|  | How many acres? | Reason?   1. debt 2. too large to manage 3. other |
| Sold some land |  |  |
| Let (rented out) some land |  |  |
| Gave away some land |  |  |

1. List the three main crops you grow on the land you farm and say whether or not you grow them for food, animal feed or for sale as cash crop:

|  |  |  |  |
| --- | --- | --- | --- |
| Crop  a. sesame  b. sunflowers  c. groundnuts  d. pigeon pea/bean  e. green gram  f. other pulses  h. sorghum  I. cotton  j. rice (monsoon)  k. rice (summer)  k. onion  l. sugarcane  m. maize  n. wheat  p. other (specify) | Food for household (subsistence)  Yes/no | Animal feed (own livestock)  Yes/no | For sale/cash crop  Yes/no |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |

1. Do you personally perform any of the following farming tasks:

|  |  |  |
| --- | --- | --- |
| Task | 1. Yes 2. No -> next col. | How many years ago did you stop?  (99 – never performed) |
| a.) Land preparation (ploughing) |  |  |
| b.) Harvesting |  |  |
| c.) Sowing, planting, transplanting |  |  |
| d.) Weeding, |  |  |
| e) Pest management |  |  |

1. Which of your household members (Name ID from Q7) helps with the following farming tasks? (list max 5 HH members who performed most agricultural labour)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Task* | Name/ID  Days | Name/ID  Days | Name/ID  Days | Name/ID  Days | Name/ID  Days |
| Land preparation/ploughing |  |  |  |  |  |
| Harvesting |  |  |  |  |  |
| Sowing, planting, transplanting |  |  |  |  |  |
| Weeding |  |  |  |  |  |
| Managing pests |  |  |  |  |  |

1. In the last 12 months did you hire labour to help with any of following the farming tasks?

|  |  |  |
| --- | --- | --- |
| Task: | YES/ NO | Are they from this village? YES or NO |
| Land preparation/Ploughing |  |  |
| Harvesting |  |  |
| Sowing, planting, transplanting |  |  |
| Weeding |  |  |
| Managing pests |  |  |

1. What were the total number of person-days employed in the last 12 months for each of the following tasks:

|  |  |  |
| --- | --- | --- |
| Task: | From local village  Days | From outside village  Days |
| Land preparation/Ploughing |  |  |
| Harvesting |  |  |
| Sowing, planting, transplanting |  |  |
| Weeding |  |  |
| Managing pests |  |  |

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 two 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 mixed cropping or inter-cropping? Yes/No/Don’t know
   5. Introduced a new crop on fallow land/ double cropping? Yes/No/Don’t know
   6. Plant spacing? Yes/No/Don’t know
   7. Bought a hand tractor? Yes/No/Don’t know
   8. Started renting a hand tractor? Yes/No/Don’t know
   9. Started using other farm machinery (for example drum seeder, mechanical thresher)? Yes/No/Don’t know
   10. Changed your way of managing water? Yes/No/Don’t know
2. When did you last receive advice from the Government Agricultural Services?
3. Within the last year
4. Between 1 and 2 years ago
5. More than 2 years ago
6. Never
7. If you have received advice from the Agricultural Services, did you act on the advice you received?

|  |  |  |
| --- | --- | --- |
|  | Topic of advice  Yes/No | Did you take action on that advice  Yes/No |
| * 1. information on planting new crops |  |  |
| * 1. information on new seed varieties |  |  |
| * 1. inter-cropping or mixed cropping |  |  |
| * 1. double cropping on same plot |  |  |
| * 1. plant spacing |  |  |
| 1. managing pests and/or use of pesticides |  |  |
| 1. Fertilisers |  |  |
| 1. use of farm machinery |  |  |
| 1. Water management |  |  |

1. The **three most important sources** of my knowledge for farming the land are: (note just 3 of the following)
   1. My parents
   2. Other members of my family
   3. Other farmers
   4. TV and radio
   5. Retailers
   6. Agricultural services
   7. Training I have received
   8. Village traditions
   9. Other ….who or what?
2. Compared with 5 years ago, do you think you are making more profit from your farming?
   1. Yes
   2. No
3. Thinking of your main crop, do you think its yield has increased or decreased over the past 5 years?
   1. Increasing (go to question 43.)
   2. Decreasing (go to question 44)
   3. Staying the same (go to Module 3)
   4. Don’t know (go to Module 3)
4. What do you think are the TWO most important reasons for your crop yields 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 45

44. What do you think are the TWO most important reasons for your crop yields 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)

45. What are **the three main challenges** that **YOU** face with farming on your land?

* 1. My health
  2. Lack of credit
  3. Debts to pay off
  4. No son or son-in-law to help on the farm
  5. Shortage of labour to hire
  6. Water supply
  7. Low prices for crops
  8. Soil quality
  9. Lack of storage capacity after harvest
  10. Unpredictable weather
  11. New pests
  12. Distance of land from home
  13. Other

**Module 3: Future and Legacy**

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

* 1. Young people leaving the village
  2. Shortage of labour to hire
  3. Low prices for crops
  4. Unpredictable weather
  5. Water supply
  6. Soil quality
  7. Lack of storage capacity after harvest
  8. Information about new farming techniques
  9. Access to machinery
  10. New pests
  11. Other

47. Do you think that your young children will leave the village when they are old enough to start working?

a) Yes

b) No

c) Don’t know

d) not applicable

48. Would you encourage them to leave the village when they are old enough to start working?

a) Yes

b) No

c) Don’t know

d) not applicable

49. Do you think that your young grandchildren will leave the village when they are old enough to look for work?

a) Yes

b) No

c) Don’t know

d) not applicable

50. Would you encourage them to leave the village when they look for work?

a) Yes

b) No

c) Don’t know

d) not applicable

51. We want to know if you have any plans to sell, rent out or give away any of your land before you die.

|  |  |  |
| --- | --- | --- |
|  | No | Yes |
| Sell |  |  |
| Rent out/let |  |  |
| Give away |  |  |

52. We want to know if you have any plans for your land after your death.

* 1. Leave all my land to one person. Who? \_\_\_\_\_\_\_\_\_\_\_ (give relationship)
  2. Divide my land between more than one person. Who? \_\_\_\_\_\_\_\_\_\_\_ (give relationships)
  3. I have no family members who want the land
  4. Don’t know what I will do.

**MODULE 4 Progress**

**4.1 MECHANISATION**

53. Do you own or rent any of the following draught animals?

|  |  |  |  |
| --- | --- | --- | --- |
|  | Number Own | Number Rent | Number shared |
| Buffalo |  |  |  |
| Horses |  |  |  |
| Other (specify):\_\_\_\_\_\_\_\_\_\_ |  |  |  |
|  |  |  |  |

54. Do you own or rent the following agricultural machinery:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Number Own | Number Rent | Number shared |
| Plough/tiller for use with draught animals |  |  |  |
| Hand tractor (power tiller?) |  |  |  |
| Drum seeder |  |  |  |
| Tractor |  |  |  |
| Mechanical Thresher |  |  |  |
| Other (specify):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |
| Other (specify):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |
| Other (specify):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |

55Do you have plans to purchase any agricultural machinery in the next two years?

* 1. Yes
  2. No

56. If yes, where did you hear about the agricultural machinery?

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

57. Do you think using agricultural machinery can lead to

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Definitely |  | Not sure |  | Not at all |
| Higher yields |  |  |  |  |  |
| Ease of farming |  |  |  |  |  |
| Soil quality |  |  |  |  |  |
| Crop quality |  |  |  |  |  |

58. When you personally decide about purchasing agricultural machinery how important is the effect on:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Very important |  | Not sure |  | Not important at all |
| Higher yield |  |  |  |  |  |
| Ease of farming |  |  |  |  |  |
| Soil quality |  |  |  |  |  |
| Crop quality |  |  |  |  |  |

59. Do you think your ability to purchase agricultural machinery is limited by:

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

60. How important are these limitations for you personally, when you decide about purchasing new machinery?

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

61. How much is your ownership of machinery appreciated by your:

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

62 When you decide about buying new machinery how much do you personally care about the opinion of:

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

***Module 4.2 – Preventative Pesticide Spraying:***

Did you use any pesticides this last growing eason?

63. Record of pesticide use during last growing season (Spring 2016)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Crop | 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. Advice from Agricultural services
   3. Suggested by friends/neighbours
   4. Preventative spraying

64 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’ |  |  |  |  |  |

65. 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’ |  |  |  |  |  |

66 Do you think in your community 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 Agricultural services advice is |  |  |  |  |  |
| How afraid farmers are of pest damage |  |  |  |  |  |

67. 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 Agricultural services advice is |  |  |  |  |  |
| How afraid you are of pest damage |  |  |  |  |  |

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

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

69. 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 |  |  |  |  |  |