**Appendix:**

Farmer Questionaire

|  |  |  |
| --- | --- | --- |
| ***Target Area*** | ***Date*** | ***Farmer’s In Formation*** |
| District៖......…...Commune............Village............... |  | Farmer’s Name:.................................. |
| Questionaire’s code.............................. | Name’s D.C...................... | Tel: .......................... |

1. **Farmer’s family profile**

|  |  |
| --- | --- |
| *1. Gender* | 1. Male 2. Female |
| *2. Age* | .................... |
| *3. Education Level* | 1. Primary 2. Secondary 3. High 4. University 5. Others.............................. |
| *4. Number of member in family* | Total........................ | Women.................. |
| *5. Main income sources in family* | 1. Growing rice 2. NGOs Staff 3. Government staff 4. Factory or garment worker 5. Raise animal 6. Own bisiness............................ 7. others................... |
| *6. How long did you grow rice?* | .......................................................... years |
| *7. Do you have enough labor in family for growing rice?* | 1. Enough 2. Not enough |
| *8. If you have no enough labor, where do you take it from?* | 1. Rent 2. Ask your neighbour to help you 3. Others...................... |

1. **Rice Production**
2. ***Land size of rice production***

|  |  |  |  |
| --- | --- | --- | --- |
| N | Type of rice production | 1.Secify variety | Size of land |
| 2. Own land | 3. Rented land | 4. Price of rented land |
| 1 | Early duration maturity | ........................ |  |  |  |
| 2 | Medium duration maturity | ........................ |  |  |  |
| 3 | Long duration maturity  | ........................ |  |  |  |
| 4 | Floating  | ........................ |  |  |  |
| 5 | Irrigated rice (dry season) | ........................ |  |  |  |
| 6 | Recession rice (dry season) | ........................ |  |  |  |

* Why do you rent?

................................................................................................................................................................................

|  |  |
| --- | --- |
| 1. What sourses of water do you use in rice production?
 | 1.Pond 2. Well 3.Lake 4. Natural Canal 5.Company’s channel 6. Others................ |
| 4.1. Do you enough water to irrigate rice in rainy season? | 1. Yes 2. No |
| 4.2. Do you enough water to irrigate rice in dry season? | 1. Yes 2. No |
| 1. Sourse of money in rice production
 | 1.Own money 2. Bank or Micro-finance 3. Relative 6.Others......................... |
| 1. How much do you borrow?
 | 1. Num. of money ..........................Riel | 2. Interest....................% |
| 3. Period......................months | Institue’s Name................. |

1. Economics Analysis in Rice Production
2. ***Early duration maturity rice (rainy season)***
	1. ***Variable Cost***

|  |  |  |  |
| --- | --- | --- | --- |
| Type of cost | 1. Quantities | 2. Price/Unit (Riel) | Total |
| 1. Seed |  |  |  |
| 2. Natural Fertilizer |  |  |  |
| 3. Natural Pesticide |  |  |  |
| 4. Chemical Fertilizer |  |  |  |
| 5. Pesticide |  |  |  |
| 6. Gasoline |  |  |  |
| 7. Water (buy from company’s chanel  |  |  |  |
| 8. Others..................... |  |  |  |

* 1. ***Labor Cost***

|  |  |  |
| --- | --- | --- |
| Type of actions | Number of labor | Total |
| In family | Outside | P/Unit | Num. of day |
|  |  |
| 1. Prepare land |
| 1.1 Plowing |  |  |  |  |  |
| 1.2 Building dike |  |  |  |  |  |
| 2. Growing |
| 2.1 Sowing |  |  |  |  |  |
| 2.2 Transplanting |  |  |  |  |  |
| 3.Take care |
| 3.1. Weeding |  |  |  |  |  |
| 3.2. Spraying pesticide |  |  |  |  |  |
| 3.3. Irrigating |  |  |  |  |  |
| 4.Harvesting |  |  |  |  |  |
| 5.Transportation |  |  |  |  |  |
| 6. Others.............. |  |  |  |  |  |
| Total |  |  |  |  |  |

* 1. ***Fixed Cost***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type of Cost | Q | Price/unit | Total cost | Used Period | Future use period |
| 1. Tractor |  |  |  |  |  |
| 2. Mechanical Mules |  |  |  |  |  |
| 3. Water pump machine |  |  |  |  |  |
| 4. Pipe |  |  |  |  |  |
| 5. Water pump |  |  |  |  |  |
| 6. Sprayer machine |  |  |  |  |  |
| 7. Ox Chart |  |  |  |  |  |

* 1. ***Gross Income From Rice Production***

|  |  |  |  |
| --- | --- | --- | --- |
| Type of Income | Total Quantities | Price/Unit | Total Income |
| 1. Rice |  |  |  |
| 2. Others |  |  |  |
| Total |  |

1. ***Medium duration maturity rice (rainy season)***
	1. ***Variable Cost***

|  |  |  |  |
| --- | --- | --- | --- |
| Type of cost | 1. Quantities | 2. Price/Unit (Riel) | Total |
| 1. Seed |  |  |  |
| 2. Natural Fertilizer |  |  |  |
| 3. Natural Pesticide |  |  |  |
| 4. Chemical Fertilizer |  |  |  |
| 5. Pesticide |  |  |  |
| 6. Gasoline |  |  |  |
| 7. Water (buy from company’s chanel  |  |  |  |
| 8. Others..................... |  |  |  |

* 1. ***Labor Cost***

|  |  |  |
| --- | --- | --- |
| Type of actions | Number of labor | Total |
| In family | Outside | P/Unit | Num. of day |
|  |  |
| 1. Prepare land |
| 1.1 Plowing |  |  |  |  |  |
| 1.2 Building dike |  |  |  |  |  |
| 2. Growing |
| 2.1 Sowing |  |  |  |  |  |
| 2.2 Transplanting |  |  |  |  |  |
| 3.Take care |
| 3.1. Weeding |  |  |  |  |  |
| 3.2. Spraying pesticide |  |  |  |  |  |
| 3.3. Irrigating |  |  |  |  |  |
| 4.Harvesting |  |  |  |  |  |
| 5.Transporting |  |  |  |  |  |
| 6. Others.............. |  |  |  |  |  |
| Total |  |  |  |  |  |

* 1. ***Fixed Cost***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type of Cost | Q | Price/unit | Total cost | Used Period | Future use period |
| 1. Tractor |  |  |  |  |  |
| 2. Mechanical Mules |  |  |  |  |  |
| 3. Water pump machine |  |  |  |  |  |
| 4. Pipe |  |  |  |  |  |
| 5. Water pump |  |  |  |  |  |
| 6. Sprayer machine |  |  |  |  |  |
| 7. Ox Chart |  |  |  |  |  |

* 1. ***Gross Income From Rice Production***

|  |  |  |  |
| --- | --- | --- | --- |
| Type of Income | Total Quantities | Price/Unit | Total Income |
| 1. Rice |  |  |  |
| 2. Others |  |  |  |
| Total |  |

1. ***Long duration maturity rice (rainy season)***
	1. ***Variable Cost***

|  |  |  |  |
| --- | --- | --- | --- |
| Type of cost | 1. Quantities | 2. Price/Unit (Riel) | Total |
| 1. Seed |  |  |  |
| 2. Natural Fertilizer |  |  |  |
| 3. Natural Pesticide |  |  |  |
| 4. Chemical Fertilizer |  |  |  |
| 5. Pesticide |  |  |  |
| 6. Gasoline |  |  |  |
| 7. Water (buy from company’s chanel  |  |  |  |
| 8. Others..................... |  |  |  |

* 1. ***Labor Cost***

|  |  |  |
| --- | --- | --- |
| Type of actions | Number of labor | Total |
| In family | Outside | P/Unit | Num. of day |
|  |  |
| 1. Prepare land |
| 1.1 Plowing |  |  |  |  |  |
| 1.2 Building dike |  |  |  |  |  |
| 2. Growing |
| 2.1 Sowing |  |  |  |  |  |
| 2.2 Transplanting |  |  |  |  |  |
| 3.Take care |
| 3.1. Weeding |  |  |  |  |  |
| 3.2. Spraying pesticide |  |  |  |  |  |
| 3.3. Irrigating |  |  |  |  |  |
| 4.Harvesting |  |  |  |  |  |
| 5.Transporting |  |  |  |  |  |
| 6. Others.............. |  |  |  |  |  |
| Total |  |  |  |  |  |

* 1. ***Fixed Cost***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type of Cost | Q | Price/unit | Total cost | Used Period | Future use period |
| 1. Tractor |  |  |  |  |  |
| 2. Mechanical Mules |  |  |  |  |  |
| 3. Water pump machine |  |  |  |  |  |
| 4. Pipe |  |  |  |  |  |
| 5. Water pump |  |  |  |  |  |
| 6. Sprayer machine |  |  |  |  |  |
| 7. Ox Chart |  |  |  |  |  |

* 1. ***Gross Income From Rice Production***

|  |  |  |  |
| --- | --- | --- | --- |
| Type of Income | Total Quantities | Price/Unit | Total Income |
| 1. Rice |  |  |  |
| 2. Others |  |  |  |
| Total |  |

1. ***Floating rice (rainy season)***
	1. ***Variable Cost***

|  |  |  |  |
| --- | --- | --- | --- |
| Type of cost | 1. Quantities | 2. Price/Unit (Riel) | Total |
| 1. Seed |  |  |  |
| 2. Natural Fertilizer |  |  |  |
| 3. Natural Pesticide |  |  |  |
| 4. Chemical Fertilizer |  |  |  |
| 5. Pesticide |  |  |  |
| 6. Gasoline |  |  |  |
| 7. Water (buy from company’s chanel  |  |  |  |
| 8. Others..................... |  |  |  |

* 1. ***Labor Cost***

|  |  |  |
| --- | --- | --- |
| Type of actions | Number of labor | Total |
| In family | Outside | P/Unit | Num. of day |
|  |  |
| 1. Prepare land |
| 1.1 Plowing |  |  |  |  |  |
| 1.2 Building dike |  |  |  |  |  |
| 2. Growing |
| 2.1 Sowing |  |  |  |  |  |
| 2.2 Transplanting |  |  |  |  |  |
| 3.Take care |
| 3.1. Weeding |  |  |  |  |  |
| 3.2. Spraying pesticide |  |  |  |  |  |
| 3.3. Irrigating |  |  |  |  |  |
| 4.Harvesting |  |  |  |  |  |
| 5.Transporting |  |  |  |  |  |
| 6. Others.............. |  |  |  |  |  |
| Total |  |  |  |  |  |

* 1. ***Fixed Cost***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type of Cost | Q | Price/unit | Total cost | Used Period | Future use period |
| 1. Tractor |  |  |  |  |  |
| 2. Mechanical Mules |  |  |  |  |  |
| 3. Water pump machine |  |  |  |  |  |
| 4. Pipe |  |  |  |  |  |
| 5. Water pump |  |  |  |  |  |
| 6. Sprayer machine |  |  |  |  |  |
| 7. Ox Chart |  |  |  |  |  |

* 1. ***Gross Income From Rice Production***

|  |  |  |  |
| --- | --- | --- | --- |
| Type of Income | Total Quantities | Price/Unit | Total Income |
| 1. Rice |  |  |  |
| 2. Others |  |  |  |
| Total |  |

1. ***Irrigated rice (dry season)***
	1. ***Variable Cost***

|  |  |  |  |
| --- | --- | --- | --- |
| Type of cost | 1. Quantities | 2. Price/Unit (Riel) | Total |
| 1. Seed |  |  |  |
| 2. Natural Fertilizer |  |  |  |
| 3. Natural Pesticide |  |  |  |
| 4. Chemical Fertilizer |  |  |  |
| 5. Pesticide |  |  |  |
| 6. Gasoline |  |  |  |
| 7. Water (buy from company’s chanel  |  |  |  |
| 8. Others..................... |  |  |  |

* 1. ***Labor Cost***

|  |  |  |
| --- | --- | --- |
| Type of actions | Number of labor | Total |
| In family | Outside | P/Unit | Num. of day |
|  |  |
| 1. Prepare land |
| 1.1 Plowing |  |  |  |  |  |
| 1.2 Building dike |  |  |  |  |  |
| 2. Growing |
| 2.1 Sowing |  |  |  |  |  |
| 2.2 Transplanting |  |  |  |  |  |
| 3.Take care |
| 3.1. Weeding |  |  |  |  |  |
| 3.2. Spraying pesticide |  |  |  |  |  |
| 3.3. Irrigating |  |  |  |  |  |
| 4.Harvesting |  |  |  |  |  |
| 5.Transporting |  |  |  |  |  |
| 6. Others.............. |  |  |  |  |  |
| Total |  |  |  |  |  |

* 1. ***Fixed Cost***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type of Cost | Q | Price/unit | Total cost | Used Period | Future use period |
| 1. Tractor |  |  |  |  |  |
| 2. Mechanical Mules |  |  |  |  |  |
| 3. Water pump machine |  |  |  |  |  |
| 4. Pipe |  |  |  |  |  |
| 5. Water pump |  |  |  |  |  |
| 6. Sprayer machine |  |  |  |  |  |
| 7. Ox Chart |  |  |  |  |  |

* 1. ***Gross Income From Rice Production***

|  |  |  |  |
| --- | --- | --- | --- |
| Type of Income | Total Quantities | Price/Unit | Total Income |
| 1. Rice |  |  |  |
| 2. Others |  |  |  |
| Total |  |

1. ***Recession rice (dry season)***
	1. ***Variable Cost***

|  |  |  |  |
| --- | --- | --- | --- |
| Type of cost | 1. Quantities | 2. Price/Unit (Riel) | Total |
| 1. Seed |  |  |  |
| 2. Natural Fertilizer |  |  |  |
| 3. Natural Pesticide |  |  |  |
| 4. Chemical Fertilizer |  |  |  |
| 5. Pesticide |  |  |  |
| 6. Gasoline |  |  |  |
| 7. Water (buy from company’s chanel  |  |  |  |
| 8. Others..................... |  |  |  |

* 1. ***Labor Cost***

|  |  |  |
| --- | --- | --- |
| Type of actions | Number of labor | Total |
| In family | Outside | P/Unit | Num. of day |
|  |  |
| 1. Prepare land |
| 1.1 Plowing |  |  |  |  |  |
| 1.2 Building dike |  |  |  |  |  |
| 2. Growing |
| 2.1 Sowing |  |  |  |  |  |
| 2.2 Transplanting |  |  |  |  |  |
| 3.Take care |
| 3.1. Weeding |  |  |  |  |  |
| 3.2. Spraying pesticide |  |  |  |  |  |
| 3.3. Irrigating |  |  |  |  |  |
| 4.Harvesting |  |  |  |  |  |
| 5.Transporting |  |  |  |  |  |
| 6. Others.............. |  |  |  |  |  |
| Total |  |  |  |  |  |

* 1. ***Fixed Cost***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type of Cost | Q | Price/unit | Total cost | Used Period | Future use period |
| 1. Tractor |  |  |  |  |  |
| 2. Mechanical Mules |  |  |  |  |  |
| 3. Water pump machine |  |  |  |  |  |
| 4. Pipe |  |  |  |  |  |
| 5. Water pump |  |  |  |  |  |
| 6. Sprayer machine |  |  |  |  |  |
| 7. Ox Chart |  |  |  |  |  |

* 1. ***Gross Income From Rice Production***

|  |  |  |  |
| --- | --- | --- | --- |
| Type of Income | Total Quantities | Price/Unit | Total Income |
| 1. Rice |  |  |  |
| 2. Others |  |  |  |
| Total |  |

1. ***Selling Rice***

|  |  |
| --- | --- |
| 1. After harvest rice what do you do? | 1. Keep for own consumption 2.sell 3. both 4.others.................... |
| 2. If yes, when do you sell? | 1. imediately after harvest 2. during rice platation period 3.others.................................. |
| 3. Why do you sell that time? | 1. Have to pay loan back 2. High price 3. No storehouse4. Have milling machine at home 5. others.......................... |
| 4. Why you don’t sell your rice? | ............................................................................................................... |
| 5. Who do you sell rice to? | 1. Village buyer (collector), why?.........................................................2. Wholesaler, why?...............................................................................3. Retailer, why?....................................................................................4. Miller, why?.......................................................................................5. Others, why?..................................................................................... |
| 6. Where do you sell paddy rice? | 1. At home 2. collector house 3. village market 4. Miller 5. Others.......... |

1. ***Constrains in rice production***

|  |  |
| --- | --- |
| 1. Did insects destroy your rice production?  | 1. Yes 2. No  |
| 2. If, yes? What kinds of incest? | 1.Fresh water crab 2. Birds 3. worm 4.others.................. |
| 3. How do you solve these problems? | ........................................................................................................ |
| 4. Did your rice production face with natural disaster last year? | 1.Yes 2.No |
| 5. If yes, which one? | 1.drought 2. Flood 3.Storm 4.others............... |
| 6. Did you meet some difficulty with transportation?  | 1. difficult road 2.lack of transportation 3. price transportation is too high 4. others.................... |
| 7. How do you solve these problems? | ......................................................................................................... |
| 8. Did you face problems with selling rice? | 1.Yes 2.No |
| 9. If yes, what are the problems? | 1. No buyer 2. less buyers 3. low price 4.others............... |

1. ***Supporting rice production***

|  |  |
| --- | --- |
| 1. Did you get any supports for growing rice?  | 1. Yes 2. No  |
| 2. Who did support you? | 1.Provincail departement of Agriculture 2. NGOs....................................................................... (plese list)3. Private company....................................................... (plese list)4. others............................................................... (please specify) |
| 3. What do they support? | 1. Provide tecnique 2. Provide agriculture input...............3. Provide services when farmer face problem4. Provide loan 5. others....... |
| 4. When do they provide support? | 1. Before plantation 2. During plantation 3. After plantation 4. others................... (please specify) |

Thanks you for your participation!!!