**Endline Survey Part 1- Production, Income and Cost**

Date: / /

Name of District: Name of Sub-District:

Name of the Farmer Group:

Name of Farmer: Male/Female: Tel. No.:

Please indicate the information of horticultural crops (do not include other crops such as maize and sugarcane) in the last cropping season.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.Crop Name and Variety | 2.Area under the Crop inmeter x meter (m2) or in ha100m2 =0.01ha1,000m2=0.1ha 10,000m2=1ha  | 3. Production sold at market in various unit(e.g. bags, crates, bundles, bushels, etc.) | 4. Production sold at market in kg (converted into kg) | 5.Production sold at market in kg per ha | 6. Average Price per various unit(local currency per unit) | 7. Average Price per kg (converted into kg) in local currency | 8.Total Income in local currency | 9.Total Cost of Production in local currency(incl. inputs, transportation, labor, etc.) | 10.Net Income (profit) in local currency |
| 1 | 2 a. | 2 b. | 3 | 4 | (4./2 b.) | 6 | 6./unit conversion in box | (3. x 6.)or (4. x7.) | 9 | 8. – 9. |
| 1st Crop:  | M x M (m2) | ha | (unit: ) | kg | kg | (unit: ) |  |  |  |  |
| 2nd Crop: | M x M (m2) | ha | (unit: ) | kg | kg | (unit: ) |  |  |  |  |
| 3rd Crop | M x M (m2) | ha | (unit: ) | kg | kg | (unit: ) |  |  |  |  |
| 4th Crop | M x M (m2) | ha | (unit: ) | kg | kg | (unit: ) |  |  |  |  |

**Please indicate unit conversions in the box below. (**e.g.) 1 bag of Irish Potato = 110 kg, 1 head of Cabbage = 2 kg

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**Please write what changes you have made after SHEP.** (e.g. Found a new buyers who buy a large quantity. Started group purchasing of certified seed to reduce cost)

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**Endline Survey Part 1- Production, Income and Cost**

<Example>

Date: / /

Name of District: Name of Sub-District:

Name of the Farmer Group:

Name of Farmer: Male/Female: Tel. No.:

Please indicate the information of horticultural crops (do not include other crops such as maize and sugarcane) in the last cropping season.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.Crop Name and Variety | 2.Area under the Crop inmeter x meter (m2) or in ha100m2 =0.01ha1,000m2=0.1ha 10,000m2=1ha  | 3. Production sold at market in various unit(e.g. bags, crates, bundles, bushels, etc.) | 4. Production sold at market in kg (converted into kg) | 5.Production sold at market in kg per ha | 6. Average Price per various unit(local currency per unit) | 7. Average Price per kg (converted into kg) in local currency | 8.Total Income in local currency | 9.Total Cost of Production in local currency(incl. inputs, transportation, labor, etc.) | 10.Net Income (profit) in local currency |
| 1 | 2 a. | 2 b. | 3 | 4 | 4./2 b. | 6. | 6./unit conversion in box | (3. x 6.)or (4. x7.) | 9 | 8.-9. |
| 1st Crop: TomatoCal j | M x M (M2)20X100=2,000m2 | 0.2ha | 100(unit: crate ) | 2,000kg | 10,000kg | $25(unit: crate) | $1.25 | $2,500 | $600 | $1,900 |
| 2nd Crop: | M x M (m2) | ha | (unit: ) | kg | kg | (unit: ) |  |  |  |  |
| 3rd Crop | M x M (m2) | ha | (unit: ) | kg | kg | (unit: ) |  |  |  |  |
| 4th Crop | M x M (m2) | ha | (unit: ) | kg | kg | (unit: ) |  |  |  |  |

**Please indicate unit conversions in the box below. (**e.g.) 1 bag of Irish Potato = 110 kg, 1 head of Cabbage = 2 kg

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| 1 crate of tomatoes = 20kg |

**Please write what changes you have made after SHEP.** (e.g. Found a new buyers who buy a large quantity. Started group purchasing of certified seed to reduce cost)

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| I started producing a variety of tomatoes, Cal j, which the market prefers. That particular variety of tomatoes can sell at a higher price.I started to arrange transportation with my group members to reduce the transportation cost. |

**Endline Survey Part 2- Agricultural Techniques**

Date: / /

Name of District: Name of Sub-District:

Name of the Farmer Group:

Name of Farmer: Male/Female: Tel. No.:

\* Please tick "YES" or "NO" to the following questions. Write any additional information in the margin.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pre to Post Cultivation Stages** | **Items** | **Horticultural Techniques Advocated for Adoption** | **Yes** | **No** |
| **1** | Pre-Cultivation Preparation | Q 1 | Do you undertake a **market survey** to determine the crop(s) to cultivate each season?  | 　 | 　 |
| Q 2 | Do you prepare and use **crop calendar(s)** based on the market survey results? | 　 | 　 |
| Q 3 | Do you undertake **soil testing** at least once in two years for vegetables/annual flowers; or before the planting for fruit trees/perennial flowers? | 　 | 　 |
| Q 4 | Do you use recommended **composting** practices by using different organic materials to supply major nutrients: Nitrogen (N), Phosphorus (P), and Potassium (K) in preparing compost/manure? | 　 | 　 |
| Q 5 | Do you use recommended **quality planting material(s)** with one or more of the following characteristics: disease resistance and tolerance, high yield, early maturity, better tastes, size, and longer shelf life? | 　 | 　 |
| **2** | Land Preparation | Q 6 | Do you use with one or more following recommended **land preparation practices** in management of pests & diseases: solarization, timely ploughing, appropriate depth of ploughing, and minimizing movement of soil to check possible spread soil borne pests & diseases? | 　 | 　 |
| Q 7 | Do you **incorporate crop residue** at least two months before planting into the farm during ploughing to enhance recycling of nutrients? | 　 | 　 |
| Q 8 | Do you incorporate compost/manure or organic fertilizer as a **basal application** at least 1-2 weeks before the planting? | 　 | 　 |
| **3** | Crop Establishment (Planting/ Transplanting) | Q 9 | Do you use recommended practices in **raising seedlings** for vegetables/annual flowers or use seedlings for fruit trees/perennial flowers raised from recognized nursery(s)? | 　 | 　 |
| Q 10 | Do you use recommended planting/transplanting **spacing**? | 　 | 　 |
| Q 11 | Do you plant/transplant using recommended **fertilizer application rates**? | 　 | 　 |
| **4** | Crop Management | Q 12 | Do you **supplement crop water requirement** through one or more of the following irrigation methods: watering can, overhead, drip, and furrow to meet the minimum crop water requirement? | 　 | 　 |
| Q 13 | Do you ensure timely weeding and use of appropriate weeding tools in **managing of weeds**? | 　 | 　 |
| Q 14 | Do you undertake appropriate **top-dressing** practices: timeliness, type and recommended rate of application, and method of application? | 　 | 　 |
| Q 15 | Do you use at least two of the following **Integrated Pests Management (IPM) practices**: cultural, biological, physical and chemical? | 　 | 　 |
| Q 16 | Do you observe the following use of **safe and effective use of pesticides**: appropriate doses, recommended pesticides, and Pre Harvest Interval (PHI)? | 　 | 　 |
| **5** | Harvest | Q 17 | Do you use at least one of the following **harvesting indices**: color, size, shape, and firmness? | 　 | 　 |
| **6** | Post-Harvest Handling | Q 18 | Do you use **harvesting/storage/transportation containers/standard packaging materials** with following characteristics: well-ventilated, easy to clean, and smooth thus minimizing damages? | 　 | 　 |
| Q 19 | Do you apply one of the following recommended value addition techniques: **cleaning, sorting, grading, packaging or processing of the produce**? | 　 | 　 |
| **7** | Cost and Income Analysis | Q 20 | Do you keep records on cost of production and sales and undertake **cost and income analysis**? | 　 | 　 |
| **8** | Collective Action | Q21 | Do you purchase agricultural inputs such as seed, fertilizer and chemicals as a group (group purchasing)? |  |  |
| Q22 | Do you arrange transportation of the produce collectively or sell your produce collectively (group selling)? |  |  |
| Q23 | As a group, do you select target crops and plan production/ marketing strategies collectively with the group members? |  |  |

**Please write what changes you have made after SHEP.** (e.g. Started making compost. Started to keep farm records.)

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