

Manual of Operations

Costs and Returns Survey of Milkfish Production



Department of Agriculture
BUREAU OF AGRICULTURAL STATISTICS

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INTRODUCTION

Rationale

The profitability of fishery ventures is one of the primary concerns among planners and policy makers in setting-up goals and strategies as they prepare the sector for global competition. Likewise, this is the concern of agribusiness players who are interested to venture in milkfish farming. These major considerations bring to the fore the need to generate updated information on the costs and returns of producing milkfish that can guide them in their decision making.

The importance of generating updated information on costs and returns in milkfish production is further stressed by need to improve the supply chain of the country's basic commodities. With the availability of adequate information on the profitability of milkfish raising, more fishpond operators will be encourage to invest in the industry. This in turn can assist in strengthening the food security situation in the country. On the part of the consumers, they will be benefited in terms of stable milkfish supply at more reasonable prices.

The present survey is implemented under the auspices of the Diversified Farm Income and Market Development Project (DFIMDP). Its result will specifically contribute to the strengthening of the Agriculture and Fishery Marketing Information System (AFMIS) being developed under the DFIMDP.

The pages that follow contain additional information on CRS Milkfish and the instructions to be followed in accomplishing the survey questionnaire.

Objectives

The general objective of the survey is to generate updated data on levels and structure of production costs and returns.

Specifically, the survey intends to generate data on the following:

- Production cost structures;
- Indicators of profitability such as gross and net returns, returns above cash costs, net profit - cost ratio, etc.;
- Average use of materials and labor inputs; and
- Other related socio-economic variables including information on new production technologies.

Reference Period

The Reference Period for Costs and Returns Survey is the last production cycle completed in 2006.

Methodology

Coverage

The survey will cover fishpond milkfish farm operators in the provinces of Pangasinan, Bulacan, Iloilo and Capiz. The domain of the study is the province, with the last completed production cycle as reference period. Thus, only farm operators who harvested milkfish from their fishponds during the reference period will be the target samples for the survey. They should also be knowledgeable on the details of culturing milkfish from the investments, material inputs and labor expenses incurred down to the disposition of produce.

Sampling Frame

The lists of milkfish producing barangays prepared by the concerned BAS Provincial Operations Centers (POCs) serve as the sampling frame for this statistical activity. The lists are prepared for each province and contain the geographic identification, area devoted to milkfish production as of 2006 and number of milkfish farm operators. These data are obtained from BAS-BFAR lists of aquafarms, updated Barangay Screening Survey (BSS) results, existing POC lists and the local government units.

Sampling Design, Sample Size and Sample Selection Procedure

A two-stage sampling design is employed with the barangay as the primary sampling unit, and the fishpond milkfish farm operator as the secondary and ultimate sampling unit. The barangays are drawn using systematic sampling from an ordered list and the sample farm operators are to be identified using snowball approach during data collection. Systematic sampling is used in the selection of sample barangays so both large and small barangays in terms of milkfish production will be represented in the sample.

Total sample size by province is set at 100 farm operators, equally allocated to 20 sample barangays, yielding five sample farm operators per barangay. For this reason, the population of milkfish-producing barangays is restricted to those with at least five milkfish farm operators.

In each selected barangay, sample farm operators will be located during data collection using snowball sampling. Names and addresses of milkfish farm operators living in the barangay will be obtained from the office of the barangay captain during data collection. From this list, the enumerator can select any operator as the first potential sample. The following screening questions will be used in identifying sample fishpond milkfish farm operators:

Q1 Are you engaged in the culture of milkfish?

Ans. YES, ask Q2.

NO, end interview and search for another potential sample farm operator.

Q2 Do you culture milkfish in a fishpond?

Ans. YES, ask Q3.

NO, end interview and search for another potential sample farm operator.

Q3 Did you harvest milkfish at anytime in 2006?

Ans. YES, establish last completed production cycle and continue with the interview.

NO, end interview and search for another potential sample farm operator.

Whether the farm operator is qualified or not, he/she will be asked to identify other milkfish farm operators in the barangay to be added in the initial list. The search continues, and the farm operator who meets the criteria specified in the screening questions qualifies as sample for the survey and will be interviewed using the 2006 CRS-Milkfish questionnaire. If the interview is successfully carried out (meaning, all the needed information have been supplied), the enumerator will write the full name and address of the farm operator in the List of Sample Milkfish Farm Operators. Again, the enumerator can select any operator from the list as the second potential sample for the survey. The process continues until five samples in the barangay are covered.

Republic of the Philippines
 Department of Agriculture
 Bureau of Agricultural Statistics

2006 COSTS AND RETURNS SURVEY OF FISHPOND MILKFISH PRODUCTION

List of Sample Milkfish Farm Operators

Province: _____ Name of Enumerator: _____
 Municipality: _____ Date of Interview: _____
 Barangay: _____ Name of Field Supervisor: _____

Sample No.	Name of Sample Milkfish Farm Operator (Surname, First Name)	Residential Address (Street Name and Number, Purok or Sitio)
01		
02		
03		
04		
05		

ACCOMPLISHMENT OF THE QUESTIONNAIRE

MAJOR COMPONENTS OF THE QUESTIONNAIRE

The questionnaire for the Costs and Returns Survey of Milkfish Production consists of 9 pages. It has 13 blocks, namely:

- A. Geographic Information
- B. Sample Identification
- C. Aquafarm Characteristics
- D. Farm Investments
- E. Material Inputs
- F. Labor Inputs
- G. Other Production Costs
- H. Production and Disposition
- I. Buyer Information
- J. Problems Encountered
- K. Access to Credit
- L. Other Information
- M. Interview / Survey Particulars

POINTERS IN ACCOMPLISHING THE QUESTIONNAIRE

1. Fill up the questionnaire during the interview using a soft lead pencil. Use the margins and back pages for notes and computations.
2. Write entries legibly in big letters or numbers. Wrong entries must be erased neatly and not crossed out.
3. Enter answers to questions in the corresponding answer space(s) and / or box(es) on the questionnaire. Be careful in recording numeric answers. Observe strictly the unit of measure and number of decimal places required.
4. For pre-coded answers, encircle or indicate the code(s) corresponding to the answer given by the respondent. For open-ended questions, write the verbatim answer(s) in the appropriate answer space(s). If necessary, probe to get the desired information.
5. Do not leave blank any answer space. A blank may otherwise mean that the corresponding question was not asked. If the answer to a question is none or the question is not applicable, enter a dash (-) in the corresponding answer space(s) or draw a horizontal line along the particular question item to show that there is no entry for such item.

6. Before leaving the area of enumeration, go over the entire questionnaire to make sure that not a single item has been missed.
7. Finally, review all entries and make an initial editing before submitting the accomplished questionnaires to the field supervisor.

INSTRUCTIONS IN FILLING UP THE QUESTIONNAIRE

BLOCK A. GEOGRAPHIC INFORMATION

This block gathers information on the exact location of the aquafarm.

Items 1 - 5 Name of Region, Province, City/Municipality, Barangay and Sitio/Purok - write legibly on the spaces provided the required information on the exact location of the aquafarm.

BLOCK B. SAMPLE IDENTIFICATION

This block aims to gather the demographic characteristics of the owner/operator.

Item 1 Name of owner/operator - write the complete name of the owner/operator in capital letters (LAST NAME then FIRST NAME).

Owner/Operator - refers to the person who owns and/or operates the aquafarm and takes the technical and administrative responsibility of managing the day-to-day operation of the farm.

Item 2 Home address of owner/operator - enter the exact address of the owner/operator. It may not necessarily be the same as the location of the aquafarm.

Item 3 Sex - encircle the sex code of the owner/operator, 1 - Male and 2 - Female.

Item 4 Age - ask and record the age of the owner/operator as of his/her last birthday.

Item 5 Highest Educational Attainment - ask about the highest grade or educational level completed by the owner/operator.

Item 6 Main occupation - ask for the main occupation of the owner/operator. This refers to the activity which is the major source of his/her income.

Item 7 Number of years engaged in milkfish production - ask for the number of years the owner/operator has been engaged in the production of milkfish.

Item 8 Name of respondent - refers to the person being interviewed. This is usually the sample farmer. In case the respondent is not the sample farmer, write the complete name of the interviewee which should be knowledgeable of the sample farm's operation.

Item 9 Relationship of respondent to owner / operator - encircle the code of the respondent's relationship to the owner/operator, 1 - owner/operator, 2 - spouse, 3 - son/daughter and 4 - others (specify on the space provided as the case maybe).

BLOCK C. AQUAFARM CHARACTERISTICS

This block seeks to gather basic information about the owner/operator's aquafarm.

Item 1 Name of aquafarm - enter the name of the aquafarm.

Aquafarm - the farming facilities used in the culture or propagation of aquatic species including fish, mollusk, crustaceans and aquatic plants for purposes of rearing to enhance production.

Item 2 Physical area of aquafarm - ask the absolute area of the aquafarm in hectares. Record the area in two (2) decimal places.

Item 3 Number of ponds - record the number of ponds the owner/operator have.

Col 1 Pond number – indicate under this column the pond(s) being managed/operated by the farmer.

Col 2 Area - ask the area of each pond in hectare(s). Record the area in two (2) decimal places.

Col 3 Status of ownership - indicate the appropriate code for the status of ownership of the pond(s) being managed/operated by the farmer.

1 - Privately Owned

1.1 - With Transfer Certificate of Title (TCT)

1.2 - With Tax Declaration

2 - Government Owned

2.1 - Fishpond Lease Agreement (FLA)

2.2 - Without FLA

- 3 - Other Tenure
 - 3.1 - Lease
 - 3.2 - Sub Lease
 - 3.3 - Sub-Sub-Lease

- 4 - Other Government Farms
 - 4.1 - Demonstration Farms
 - 4.2 - Research / Experimental Farm
 - 4.3 - LGU Farm

Col 4 Aquafarm environment - indicate the appropriate code

- 1 - Freshwater
- 2 - Brackishwater

Col 5 Culture method - indicate the appropriate code

- 1 - Modular
- 2 - Straight

Item 4 Focus pond number - record the number of the focus pond. Focus pond is the particular pond where the last cropping is completed and where all relevant information for this study will be collected. If last cropping was completed in more than one pond, information will be asked on the one having the biggest area and/or highest production.

4.1 Month stocked - ask about the month when milkfish was stocked in the growth area.

4.2 Month harvested - ask about the month when milkfish was harvested.

4.3 Number of harvests - inquire about the total number of harvest. Number of total harvest refers to the number of times milkfish was harvested during the last production cycle.

4.4 Usual number of croppings per year - inquire and record the usual number of times milkfish is reared and harvested in one year period. Number of croppings refers to the number of completed culture/production cycles i.e. from stocking to harvesting.

BLOCK D. FARM INVESTMENTS

This block aims to gather information on all possible investment items being used in the production of milkfish. Fill-up only the items owned and used by the owner/operator in milkfish production in focus pond during the reference period.

Col 1 Enumerate under this column the items of investments such as **farmland owned, farm structures, farm machinery and equipment**. Inquire from the respondent which of the investment items were used/utilized in milkfish production during the reference period one by one. To facilitate the interview, accomplish this block in horizontal manner.

Col 2 Inventory (Area/Number) - area refers to the size in hectare(s) of the focus pond owned and devoted to milkfish production. Indicate the area in two (2) decimal places. Number refers to the number of investment items owned and was utilized in milkfish farming during the reference period.

Col 3 Year/s Acquired - refers to the year when the investment item was purchased/ acquired. If there are more than one unit of any single item purchased on different occasion, ask for the year when each item was purchased/acquired and separate answers by a slash (/). Year acquired is a four (4) digit item.

Col 4 Acquisition Cost - refers to the value of the investment item at the time it was purchased/acquired. If there are more than one unit of any single item purchased on different occasions, get the acquisition cost of each item and separate answers by a slash (/).

Col 5 Repairs/Improvements - determine and record the total costs incurred for all repairs and improvements made during the reference period on the reported farm investments.

Col 6 Estimated Life (number of years more to last) - ask the estimated number of years that each investment item is found useful/serviceable starting from the time of the interview. If there are more than one unit of any single item, get the estimated life of each item and separate answers by a slash (/). Entries on estimated life must be in whole numbers.

Col 7 Percent of use in focus pond - an investment item may be used for many purposes or different production processes on different crops/commodities. In order to reflect a closer estimate of depreciation, there is a need to get some estimation as to the extent of use of each investment item for the crop/commodity which is the subject of the survey. Explain to the respondent what it means and what is the intention of the question item. Indicate the usage of the reported investment item to focus pond during the reference period in percent (%). If there are more than one unit of any single

item, get the percent of use of each item and separate answers by a slash (/).

Impute the value of farm investment items inherited/received from others if possible. Investment items with less than one year of estimated useful life and were used/utilized during the last completed production cycle must be reflected in Block G (Other Production Costs) found on page 8 of the questionnaire.

Col 8 Depreciation - this column is for Central Office Use.

BLOCK E. MATERIAL INPUTS

This block aims to collect information on usage and cost of material inputs in the production of milkfish in focus pond during the last production cycle.

Col 1 Item - under this column are list of material inputs. Inquire from the respondent if the material inputs was used and fill-up the required information in succeeding columns one item after the other.

Cols 2 to 10 are to be accomplished according to the type of material inputs listed in Items 1 to 6 in Column 1. All entries should refer to latest milkfish harvest in focus pond in 2006 period.

Col 2 Quantity - account for the number of unit of material inputs used in focus pond during the reference period.

Col 3 Unit - write down the unit of measure of the material inputs used (e.g. piece, pack, sack, box, kilogram, bottle, liter, etc).

Col 4 Weight Per Unit (Kilogram) - enter the equivalent weight in kilogram per unit of the type of solid/granule material inputs used or applied, in two (2) decimal places (e.g. unit reported in sack which is equivalent to 50 kilograms; the entry should be 50.00).

Col 5 Volume Per Unit (Liter) - enter the equivalent volume in liter per unit of the type of liquid material inputs used or applied, in three (3) decimal places (e.g. unit reported in bottle which is equivalent to 250 milliliter; the entry should be 0.250).

Col 6 Price Per Unit - record the purchase price of the inputs used per unit of measure reported in Col 3.

Col 7 Total Quantity (Kilogram) - for each reported material input, i.e., stocking materials and other inputs in solid form, determine the Total Quantity by

multiplying the quantity used (Col 2) by the weight per unit (Col 4) and record the product in two (2) decimal places.

Col 8 Total Value (P) - for the same items included in Col 7, determine the total value by multiplying the quantity used (Col 2) by the price per unit (Col 6).

Col 9 Total Volume (Liter) - determine the total quantity of liquid inputs by multiplying the quantity used (Col 2) by the volume per unit (Col 5) and record in three (3) decimal places.

Col 10 Total Value (P) - for the same items included in Col 9, determine the total value of each input by multiplying the quantity used (Col 2) by the price per unit (Col 6).

BLOCK F. LABOR INPUTS

This block seeks to gather information that pertain to labor utilization in the production of milkfish in focus pond during the reference period. It has integrated gender concerns, thus, the need to determine whether labor inputs were provided by male or female farm workers. The sources of labor are operator, family, exchange labor (bayanihan) and hired labor. The latter may include permanent workers, contract labor or “pakyaw” system wherein the performance of multiple farming activities is contracted for a certain amount.

Since data items vary depending on the farm activity, the enumerator should get the required details one activity (or one row) at a time.

Col 1 Activity - contains the different activities involve in milkfish production.

Col 2 Sex - this column pertains to the sex of the person performing the farm activities.

Cols 3 to 5 Operator Labor - pertains to the production activities performed by the farmer-operator.

Col 3 Number of days - indicate the total number of days of work per activity.

Col 4 Number of hours per day - ask for the average number of hours of work rendered by the operator per day and record with one (1) decimal place.

Col 5 Mandays - conceptually, one manday is equivalent to eight (8) hours of work. Number of mandays (Col 5) is derived as follows:

$$\text{Mandays (Col 5)} = \frac{(\text{Number of days, Col 3}) \times (\text{Number of hours per day, Col 4})}{8 \text{ hours}}$$

Cols 6 to 9 Family Labor – pertains to the production activities performed by the family members of the farmer-operator.

Col 6 Number of persons - ask for the total number of family members who performed the particular farm operation.

Col 7 Average number of days per person - indicate the average number of days worked per person in whole number on the space provided. This can be derived by adding the number of days worked/rendered by each family member and divide the sum by the number of observations.

Col 8 Average number of hours per day - indicate the average number of hours worked per day. To determine the average, add the total number of hours worked per person and divide the sum by the number of working days. Record in one (1) decimal place on the space provided.

Col 9 Mandays - compute for the total mandays of family labor by multiplying Col 6, Col 7 and Col 8, and divide the result by eight (8). Record in two (2) decimal places on the space provided.

$$\text{Mandays (Col 9)} = \frac{[(\text{No. of persons, Col 6}) \times (\text{Average number of days per person, Col 7}) \times (\text{Average number of hours, Col 8})]}{8 \text{ hours}}$$

Cols 10 To 13 Exchange Labor (Bayanihan) – handle the interview and recording, including the computation for mandays, the way family labor was treated. Bayanihan is a custom of farm households to help each other in peak periods by working on each other’s farm without any pay.

Cols 14 to 19 Hired Labor - are the production activities performed by hired laborers including the payment for the services rendered. For Columns 14 to 17, handle the interview, computations and recording the way family labor was treated.

In case a particular activity was performed by:

- a. **Permanent farm workers** - ask and record the total number of permanent employee(s), the average number of days and average number of hours worked per day for each farm activity performed. Apportion the salary of the worker(s) based on the number of mandays rendered in milkfish farm and enter in Col 18. In case of multiple farm activities, apportion the total amount based on the number of mandays per activity.
- b. **Contract labor** - this is commonly called “pakyaw” system. Record in Cols 14, 15 and 16 the number of persons, average number of days worked and average number of hours worked per day, respectively, for each activity performed. Apportion the total amount paid to contract laborers based on the number of mandays worked per activity and enter them under Col 18 if payment made is in cash. Otherwise, enter them under Col 19.

Col 18 Total Payment in Cash - if laborers were paid in cash, ask for the total amount paid to laborers per activity performed. Cash payment refers to the actual amount of cash paid according to the agreed basis of payment. Record in two (2) decimal places on the space provided.

Col 19 Total Payment in Non-Cash - non-cash payment maybe in the form of concerned crop/commodity (CC) or other commodities (OC). Payment in kind refers to the peso equivalent of the quantity of production paid for a work done. Convert the payment into peso equivalent by following this procedure:

$$\text{Peso equivalent of in-kind} = (\text{Total number of local unit of in-kind payment}) \\ \times (\text{Price per local unit during the time of payment})$$

Col 20 Total Food Cost - when applicable, ask for the total cost incurred in the provision of food (meals/snacks/refreshments) to farm laborers during work on particular farm operation.

Col 21 Prevailing wage rate per day - ask for the prevailing wage rate per day in the locality for (each of the items in Col 1) the activities performed by unpaid workers. This information will be needed in the computation of imputed value of operator, family and exchange labor.

BLOCK G. OTHER PRODUCTION COSTS

This block seeks to collect to other items of production cost **incurred in focus pond during the reference period**. Payments may be in cash or non-cash. In case of non-cash payments or payment in kind, determine the commodity paid, quantity(ies), the unit of measure, weight per unit and compute for the total quantities in kilograms and the corresponding values.

- Item 1 Land tax** - if the sample farmer is owner-operator, ask for the amount of tax paid for the focus pond. Payment of land tax is normally computed on yearly basis. Specify if payment made is on a per hectare basis, annual basis, etc.
- Item 2 Salaries of office employees** - refers to fixed payment in cash or in kind of the permanent farm employee(s) for the reference period.
- Item 3 Wage/share of caretaker** - refers to fixed payment in cash which is either in the form of wage and/or a percent share in the total value of produce.
- Item 4 Land lease/rental** - refers to fixed payment in cash or in kind for the rent/use of farm land for the reference period. Specify if payment made is on a per hectare basis, annual basis, etc.
- Item 5 Rental value for owned pond** - ask the farmer if the land used in fishpond operation will be rented how much will be the rental value for the reference period. This is an imputed cost but for purposes of recording in the questionnaire, this should be entered under **cash**.
- Item 6 Rentals (machine, and tools and equipment)** - refers to payments in cash or in kind for the use/rental of machine, and tools and equipment.
- Item 7 Fuel and oil** - refers to payment in cash or in kind for diesel, gasoline, oil, grease and kerosene consumed in the production process.
- Item 8 Transport cost of inputs** - refers to the cost incurred in the procurement of inputs such as feeds, fertilizers, chemicals, and other farm inputs.
- Item 9 License/permits** - refers to the cost incurred in the registration processes of getting licenses/permits for the farm to operate legally. Specify if payment made is on a per hectare basis, annual basis, etc.
- Item 10 Interest payment on loan** - refers to payment in cash or in kind for the interest on borrowed capital used in farm operation.
- Item 11 Electricity** - covers payment in cash for electricity bills consumed in the production process.

Item 12 Others (specify) - refer to other cost items not listed. Enumerate, if any, and get the required information on costs.

BLOCK H. PRODUCTION AND DISPOSITION

This block aims to gather information on the **volume of harvest in the focus pond during the reference period** as well as the breakdown by which this harvested volume was disposed.

For Columns 2 and 3, indicate the month of harvest for milkfish; same procedure must be done for Columns 5 and 6 for other species.

Item 1 Area harvested - inquire and indicate the total physical area harvested (productive area) for milkfish and other species in two (2) decimal places. The total area harvested for milkfish is the same with the area of focus pond in Block B - Aquafarm Characteristics.

Item 2 Production

- 2.1 **Quantity** - enter the gross production in local unit in two (2) decimal places.
- 2.2 **Local unit used** - indicate the name of local unit used in measuring the quantity of production whether in tub, basin, styropor, plastic bag, etc.
- 2.3 **Weight per local unit (kg)** - write the equivalent weight in kilogram of one local unit.
- 2.4 **Total production in kg** - compute the total production by multiplying Items 2.1 and 2.3.
- 2.5 **Total value (P)** - compute for the total value by multiplying Items 2.4 and 3.1.2. (This item can be computed later after the completion of Item 3).

Item 3 Disposition (in local unit)

- 3.1 **Sold** - refers to the quantity sold/marketed out of the total production and ask for the following whichever is applicable:
 - 3.1.1 **Price per I.u. (P)** - the price per local unit of produce.
 - 3.1.2 **Price per kg (P)** - the price per kilogram of produce.

- 3.2 **Harvesters' Share** - ask for the quantity given to harvesters as payment for the services rendered.
- 3.3 **Caretaker's Share** - quantity given to caretaker as payment for the services rendered.
- 3.4 **Other Laborers' Share** - quantity given to other farm laborers as payment for the services rendered.
- 3.5 **Landowner's Share** - quantity given to landowner as payment for the use of his fishpond.
- 3.6 **Lease Rental** - refer to quantity paid for the lease of the fishpond.
- 3.7 **For Home Consumption** - quantity consumed by the farm household.
- 3.8 **Given Away** - quantity given to other persons, relatives and other households.
- 3.9 **Others (specify)** - the quantity used for other purposes which do not belong to the above categories.

NOTE: Check if the value of harvesters' share and other laborers' share were reflected in Section F (Labor Inputs).

BLOCK I. BUYER INFORMATION

This block seeks to obtain the major buyer of produce during the reference period.

Ask the respondent on the major buyer of his produce. Encircle code/s and determine the percentage of milkfish that was sold to each buyer out of the total volume marketed.

BLOCK J. PROBLEMS ENCOUNTERED

This block aims to gather information on the problems affecting production and marketing of milkfish. Inquire from the respondent the specific production and marketing related problems encountered by encircling the appropriate code(s) provided. For responses which are not in the list, state them under "others (specify)".

BLOCK K. ACCESS TO CREDIT

This block aims to gather information regarding loans availed by the farmer/operator, amount of loans, its sources and interest rate per annum.

Item 1 Have you availed of any loan for milkfish production? - encircle code whether (1) yes or (2) no, if no go to Block L.

Item 2 How much loan did you avail of? - write the amount of loan on the space provided. Record in two (2) decimal places.

Item 3 How much was the interest rate per annum? - write the entry on the space provided. Express the answer in percent and in two (2) decimal places.

Item 4 Who/What was your source of loan? - encircle the code of the corresponding answer.

1 - Cooperative

2 - Bank

3 - Private individual

4 - Other lending institution (specify): _____

BLOCK L. OTHER INFORMATION

This block seeks to collect information on the civic participation and affiliation of the sample farmer. It also covers the sources of technical know-how and other farm management information of the sample.

Item 1 Is the operator a member of fishery related organization? - encircle code whether (1) yes or (2) no. If yes, identify the said organization and ask for the benefits derived from being a member of such organization.

Item 2 Does the operator consult/use advice of: (Encircle code)

2.1 **Government extension agents?** 1 - Yes 2 - No

2.2 **Private extension agents?** 1 - Yes 2 - No

Item 3 What are your future plans regarding milkfish farm operation? (Encircle code)

1 - Maintain current operation

2 - Expand

3 - Others (specify)

Item 4 What will you suggest to the government for the improvement of milkfish industry? - ask the respondent to enumerate his/her recommendations to the government to further improve milkfish farming, marketing and the industry.

BLOCK M. INTERVIEW / SURVEY PARTICULARS

After the thorough verification of the completeness and consistency of the responses, the data collector should affix his/her name and signature and the date of accomplishing the questionnaire. Same is through with the Field Supervisor/Editor and the PASO.

DEFINITION OF TERMS

Status of ownership

Privately-Owned Farms - farms owned and operated by private individuals, corporation, etc. who have rights and common ownership, responsibilities and management of a lawful business enterprise

Transfer Certificate of Title (TCT) - is a Government certificate made out on a prescribed judicial farm and issued under the signature of the register of deeds certifying that the person therein named is the transfer owner of the property described therein without any limitation excepting those noted thereon and those prescribed by law

Tax Declaration - that which is mandated by the Government upon its citizens to declare so as to determine the tax liability/ies of the latter (citizens)

Government Farms - farms owned operated by the government for the purpose of demonstration, research and experiment

Fishpond Lease Agreement (FLA) - covers government-owned fishpond leased from the government to a single proprietorship, corporation, partnership or cooperative for a maximum period of 25 years, renewable based on the extent of development and progress performed by the lessor

Lessee - refers to a person who takes full economic risk and technical initiative and responsibility in the administration of the farm but pays certain fixed amount of rental to the owner

Demonstration Farm - a kind of farm purposely establishes to demonstrate and improve new and existing agriculture technologies and the area to serve as show-window for such project

Research / Experimental Farm - a kind of farm purposely established to conduct and develop new techniques / technology on the culture and management of different aquatic organisms and other related studies

LGU Farm - it can be either be a demonstration, nursery or hatchery farms, fry banks and aquaculture centers or stations that is being run and manage by any local government units

Aquafarm Environment

Freshwater Environment - water without salt or marine origin, such as generally found in lakes, rivers, canals, dams, reservoirs, paddy fields and swamps.

Brackishwater Environment - mixed seawater and freshwater and salinity varies with the tide. Examples are estuaries, mangroves and mouth of rivers where seawater enters during high tide.

Culture method

Modular

Nursery Pond - refers to a productive area utilized for the growing of fry/post larvae to fingerling or juvenile sizes

Formation Pond - refers to a productive area utilized for the growing of post-fingerlings to pre-marketable sizes

Transition pond - refers to a productive area utilized for the growing of fingerlings up to post-fingerlings and/or stunting of fingerlings

Rearing/Grow out pond - refers to a productive area utilized for the growing of pre-marketable stocks or juveniles to marketable sizes

Marketable - refers to the harvestable size of the fish as required in the market

Straight

Farm Investments

Farmland owned / Focus pond - refers to fishpond owned and operated during the last production cycle. This include only farms covered with TCT or Tax Declaration. Note that area of farmland owned is same with the area of focus pond.

Focus pond - The particular pond where the last cropping is completed and where all relevant information for this study will be collected

Farm machinery and equipment

Paddlewheels/Aerators - a device used to increase the dissolved oxygen content of the pond water to support an increased biomass

Reservoir/dam - man-made lake containing a volume of water used for irrigation, hydro-electric, domestic use, etc.

Stocking materials

Fish Fry - a stage in which a fish has just been newly hatched, usually with sizes ranging from 1-2.5 cm depending on the species

Milkfish Fry - transparent, scaleless and needlelike body with dark eyes and short narrow head. The entire length ranges from 1-1.15 cm. This is also called “kawag-kawag” or “semilya”

Fingerlings - a stage in the life cycle of the fish measuring about 6-13 cm depending on the species

Juvenile - stage of development when the organism has completely assumed the morphology of the parent

Material Inputs

Feeds - refers to foods utilized in the pond/hatchery. It maybe in the form of natural food (lab-lab, lumut), supplemental feeds (trash fish, rice bran, bread crumbs), commercial formulated pellets produced by Vitarich Corporation, B-Meg, Robina, Purefoods, etc. In hatcheries, feeds given are the following: planktons (phytoplanktons and zooplanktons), Artemia, and formulated commercial feeds

Commercial feed - any of a number of commercial feed brands, usually in palletized form, formulated according to the nutrient requirement of the species being reared. Artificially formulated diet produced by feed manufacturers to supplement the nutritional requirement of cultured species

Fertilizers - refers to either organic (chicken manure, cow dung, etc.) or inorganic (Urea, Ammonium Phosphate, etc.) primarily used to fertilize the pond to produce natural food like lab-lab, etc.

Organic - refers to animal manure and plant waste containing about 40-50% carbon by dry-weight basis usually from pig/hog, poultry, cattle manure, etc.

Inorganic - are simple dominant compound which primarily contain at least 1 or 2 element of the NPK (Nitrogen, Phosphorus, Potassium)

Lime - used primarily as soil conditioner. It corrects acidity, promotes the release of nutrients and to some extent, reduces the occurrence of diseases.

Agricultural lime (or limestone) - lining material to neutralize or condition acidic ponds and when applied in large quantity will not affect fish stock

Quick Lime (CaO) - a commercial lime to neutralize or condition acidic ponds and may use as pesticide in combination with 21-0-0 to kill all fish predators

Hydrated lime (Ca(OH)) or Slaked lime - commercial lime to neutralize or condition acidic ponds and may also be used as pesticide in combination with 21-0-0 to kill all fish predators

Pesticides - refers to organic materials and chemicals used in eliminating fishpond predators such as wild fish, crustaceans, shells, etc.

Tobacco Dust - as environmentally friendly material use as pesticide to eradicate predator and wild fishes in ponds

Disease Prevention and Pollution Control

Antibiotics - chemical substances, naturally produced by micro-organisms but also synthetically, that is inhibit the growth or even destroy bacteria and other microorganisms

Biofilter - refers to filter plants or animals such as seaweeds, mussels and oysters used to minimize pollutants in ponds

Probiotics - refers to single or mixed culture of live micro-organisms (selected strains of bacteria, among others) that when applied to culture systems benefit the farmed stock by improving the indigenous microflora

Type of Buyer

Broker - a person who buys and sells for another; an agent or mediator

Wholesaler - a person who buys in bulk for purpose of resale normally in local markets

Retailer - person who sells goods usually in small quantity to consumer

Exporter - person who produces and/or goods for resale in other countries

Cooperative - is an organization composed primarily of small producers or consumers who voluntarily join together to form a business enterprise, which they themselves own, control and patronize

ANNEXES

Republic of the Philippines
Department of Agriculture
BUREAU OF AGRICULTURAL STATISTICS
Quezon City

Appendix 2

DIVERSIFIED FARM INCOME AND MARKET DEVELOPMENT PROJECT (DFIMDP)
COSTS AND RETURNS SURVEY OF MILKFISH PRODUCTION
(LAST PRODUCTION CYCLE IN 2006)

A. GEOGRAPHIC INFORMATION (Location of Aquafarm)	C. AQUAFARM CHARACTERISTICS																																								
<p>1. Region: _____</p> <p>2. Province: _____</p> <p>3. City / Municipality: _____</p> <p>4. Barangay: _____</p> <p>5. Sitio / Purok: _____</p>	<p>1. Name of Aquafarm: _____</p> <p>2. Physical area of aquafarm: _____ . _____ hectare(s)</p> <p>3. Number of ponds: _____</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 10%;">Pond Number</th> <th style="width: 15%;">Area (ha.)</th> <th style="width: 25%;">Status of ownership <u>a/</u> (Indicate code)</th> <th style="width: 20%;">Aquafarm environment <u>b/</u> (Indicate code)</th> <th style="width: 30%;">Culture method <u>c/</u> (Indicate code)</th> </tr> <tr> <th>(1)</th> <th>(2)</th> <th>(3)</th> <th>(4)</th> <th>(5)</th> </tr> </thead> <tbody> <tr><td>1</td><td>· _ _</td><td></td><td></td><td></td></tr> <tr><td>2</td><td>· _ _</td><td></td><td></td><td></td></tr> <tr><td>3</td><td>· _ _</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>· _ _</td><td></td><td></td><td></td></tr> <tr><td>5</td><td>· _ _</td><td></td><td></td><td></td></tr> <tr><td>6</td><td>· _ _</td><td></td><td></td><td></td></tr> </tbody> </table> <p>4. Focus pond number: <u>d/</u> _____</p> <p>4.1 Month stocked: _____</p> <p>4.2 Month harvested: _____</p> <p>4.3 Number of harvests: _____</p> <p>4.4 Usual number of croppings per year: _____</p>	Pond Number	Area (ha.)	Status of ownership <u>a/</u> (Indicate code)	Aquafarm environment <u>b/</u> (Indicate code)	Culture method <u>c/</u> (Indicate code)	(1)	(2)	(3)	(4)	(5)	1	· _ _				2	· _ _				3	· _ _				4	· _ _				5	· _ _				6	· _ _			
Pond Number	Area (ha.)	Status of ownership <u>a/</u> (Indicate code)	Aquafarm environment <u>b/</u> (Indicate code)	Culture method <u>c/</u> (Indicate code)																																					
(1)	(2)	(3)	(4)	(5)																																					
1	· _ _																																								
2	· _ _																																								
3	· _ _																																								
4	· _ _																																								
5	· _ _																																								
6	· _ _																																								
B. SAMPLE IDENTIFICATION																																									
<p>1. Name of owner / operator: _____</p> <p>2. Home Address of owner / operator: _____</p> <p>3. Age (as of last birthday): _____ years old</p> <p>4. Sex (Encircle code): 1 - Male 2 - Female</p> <p>5. Highest educational attainment: _____</p> <p>6. Main occupation: _____</p> <p>7. No. of years engaged in milkfish production: _____ years</p> <p>8. Name of respondent: _____</p> <p>9. Relationship of respondent to owner / operator (Encircle code):</p> <p> 1 - Owner / Operator 3 - Son / Daughter</p> <p> 2 - Spouse 4 - Others (specify): _____</p>																																									

CODES:

a/ Status of ownership

- 1 - Privately Owned
 - 1.1 - With Transfer Certificate of Title (TCT)
 - 1.2 - With Tax Declaration
- 3 - Other Tenure
 - 3.1 - Lease
 - 3.2 - Sub Lease
 - 3.3 - Sub-Sub-Lease

- 2 - Government Owned
 - 2.1 - Fishpond Lease Agreement (FLA)
 - 2.2 - Without FLA
- 4 - Other Government Farms
 - 4.1 - Demonstration Farms
 - 4.2 - Research/Experimental Farm
 - 4.3 - LGU Farm

b/ Aquafarm Environment

- 1 - Freshwater
- 2 - Brackishwater

c/ Culture method

- 1 - Modular
- 2 - Straight

d/ Focus pond - The particular pond where the last cropping is completed and where all relevant information for this study will be collected

D. FARM INVESTMENT (used in focus pond)							Depreciation (For CO use)
Item	Inventory (Area / No.)	Year/s Acquired	Acquisition Cost (P)	Repairs / Improvement (P)	Estimated Life (Years)	Percent of Use in Focus Pond	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Farm land owned / Focus Pond (ha.)	. _ _		. _ _	. _ _			
2. Farm structures			. _ _	. _ _			. _ _
2.1 Farm office			. _ _	. _ _			. _ _
2.2 Storage of aqua supplies and products (bodega/warehouse)			. _ _	. _ _			. _ _
2.3 Farm laboratory			. _ _	. _ _			. _ _
2.4 Caretaker's house			. _ _	. _ _			. _ _
2.5 Water gates (prinza)			. _ _	. _ _			. _ _
2.6 Others: 1) _____			. _ _	. _ _			. _ _
2) _____			. _ _	. _ _			. _ _
3) _____			. _ _	. _ _			. _ _
3. Farm machinery and equipment			. _ _	. _ _			. _ _
3.1 Nets (scoop net, seine net, fine mesh net)			. _ _	. _ _			. _ _
3.2 Generator			. _ _	. _ _			. _ _
3.3 Water pumps			. _ _	. _ _			. _ _
3.4 Aerators			. _ _	. _ _			. _ _
3.5 Paddle wheels			. _ _	. _ _			. _ _
3.6 Feed mill			. _ _	. _ _			. _ _

D. FARM INVESTMENT (used in focus pond) . . . continued							Depreciation (For CO use)
Item	Inventory (No.)	Year/s Acquired	Acquisition Cost (P)	Repairs / Improvement (P)	Estimated Life (Years)	Percent of Use in Focus Pond	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
3.7 Feed dispenser (kinetic feeder)			• _ _	• _ _			• _ _
3.8 Fish transporters			• _ _	• _ _			• _ _
3.8.1 Tricycle			• _ _	• _ _			• _ _
3.8.2 Pick-up			• _ _	• _ _			• _ _
3.8.3 Van			• _ _	• _ _			• _ _
3.8.4 Motorized boat			• _ _	• _ _			• _ _
3.8.5 Others: 1) _____			• _ _	• _ _			• _ _
2) _____			• _ _	• _ _			• _ _
3.9 Fish containers			• _ _	• _ _			• _ _
3.9.1 Styropor			• _ _	• _ _			• _ _
3.9.2 banyera			• _ _	• _ _			• _ _
3.9.3 Others: 1) _____			• _ _	• _ _			• _ _
2) _____			• _ _	• _ _			• _ _
3.10 Feed grinder			• _ _	• _ _			• _ _
3.11 Rafts (wood, bamboo)			• _ _	• _ _			• _ _
3.12 Oxygen tank			• _ _	• _ _			• _ _
3.13 Reservoirs			• _ _	• _ _			• _ _
3.14 Others: 1) _____			• _ _	• _ _			• _ _
2) _____			• _ _	• _ _			• _ _

E. MATERIAL INPUTS (used in focus pond)									
Item	Quantity	Unit	Weight / Volume Per Unit		Price Per Unit (P)	Solid / Granule Inputs		Liquid Inputs	
			(Kilogram)	(Liter)		Total Quantity (Kilogram)	Total Value (P)	Total Volume (Liter)	Total Value (P)
			(4)	(5)		(7) = (2) x (4)	(8) = (2) x (6)	(9) = (2) x (5)	(10) = (2) x (6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Stocking Materials							• _ _		
1.1 Fry					• _ _		• _ _		
1.2 Fingerlings					• _ _		• _ _		
1.3 Juvenile					• _ _		• _ _		
2. Feeds						• _ _	• _ _		
2.1 Commercial						• _ _	• _ _		
2.1.1 Fry Mash	• _ _		• _ _		• _ _	• _ _	• _ _		
2.1.2 Starter	• _ _		• _ _		• _ _	• _ _	• _ _		
2.1.3 Grower	• _ _		• _ _		• _ _	• _ _	• _ _		
2.1.4 Finisher	• _ _		• _ _		• _ _	• _ _	• _ _		
2.2 Others: 1) _____	• _ _		• _ _		• _ _	• _ _	• _ _		
2) _____	• _ _		• _ _		• _ _	• _ _	• _ _		
3) _____	• _ _		• _ _		• _ _	• _ _	• _ _		
3. Fertilizer						• _ _	• _ _	• _ _	• _ _
3.1 Chicken manure	• _ _		• _ _		• _ _	• _ _	• _ _		
3.2 Urea (45-0-0)	• _ _		• _ _		• _ _	• _ _	• _ _		
3.3 Urea (46-0-0)	• _ _		• _ _		• _ _	• _ _	• _ _		
3.4 Ammonium Sulfate / Ammosul (21-0-0)	• _ _		• _ _		• _ _	• _ _	• _ _		
3.5 Di-Ammonium Phosphate / DAP (18-46-0)	• _ _		• _ _		• _ _	• _ _	• _ _		
3.6 Ammonium Phosphate (16-20-0)	• _ _		• _ _		• _ _	• _ _	• _ _		
3.7 Complete (14-14-14)	• _ _		• _ _		• _ _	• _ _	• _ _		
3.8 Complete (12-12-12)	• _ _		• _ _		• _ _	• _ _	• _ _		

E. MATERIAL INPUTS (used in focus pond) . . . continued									
Item	Quantity	Unit	Weight / Volume Per Unit		Price Per Unit (P)	Solid / Granule Inputs		Liquid Inputs	
			(Kilogram)	(Liter)		Total Quantity (Kilogram)	Total Value (P)	Total Volume (Liter)	Total Value (P)
(1)	(2)	(3)	(4)	(5)	(6)	(7) = (2) x (4)	(8) = (2) x (6)	(9) = (2) x (5)	(10) = (2) x (6)
3.9 Potassium or Sulfate of Potash (0-0-52)	• _ _		• _ _		• _ _	• _ _	• _ _		
3.10 Others (specify N-P-K):									
1) _____	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
2) _____	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
3) _____	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
4. Lime						• _ _	• _ _	• _ _ _	• _ _
4.1 Agricultural lime	• _ _		• _ _		• _ _	• _ _	• _ _		
4.2 Quick lime	• _ _		• _ _		• _ _	• _ _	• _ _		
4.3 Slake lime	• _ _		• _ _		• _ _	• _ _	• _ _		
4.4 Others: 1) _____	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
2) _____	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
3) _____	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
5. Pesticides						• _ _	• _ _	• _ _ _	• _ _
5.1 Tobacco dust	• _ _		• _ _		• _ _	• _ _	• _ _		
5.2 Others: 1) _____	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
2) _____	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
3) _____	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
6. Disease Prevention and Pollution Control						• _ _	• _ _	• _ _ _	• _ _
6.1 Antibiotics	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
6.2 Bio filters	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
6.3 Probiotics	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
6.4 Others: 1) _____	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
2) _____	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _
3) _____	• _ _		• _ _	• _ _ _	• _ _	• _ _	• _ _	• _ _ _	• _ _

F. LABOR INPUTS (in focus pond)																				
Activity		Operator Labor			Family Labor				Exchange Labor				Hired Labor						Total Food Cost (P)	Prevailing wage rate per day (P)
		No. of days	No. of hours per day	Mandays	No. of persons	Average no. of		Mandays	No. of persons	Average no. of		Mandays	No. of persons	Average no. of		Mandays	Total Payment			
						days per person	hours per day			days per person	hours per day			days per person	hours per day		Cash (P)	Non-Cash (P)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
1. Excavation	1 Male		·	·			·	·			·	·			·	·	·	·	·	·
	2 Female		·	·			·	·			·	·			·	·	·	·	·	·
2. Pond preparation																				
2.1 Draining / Drying	1 Male		·	·			·	·			·	·			·	·	·	·	·	·
	2 Female		·	·			·	·			·	·			·	·	·	·	·	·
2.2 Lime application	1 Male		·	·			·	·			·	·			·	·	·	·	·	·
	2 Female		·	·			·	·			·	·			·	·	·	·	·	·
2.3 Pesticides application	1 Male		·	·			·	·			·	·			·	·	·	·	·	·
	2 Female		·	·			·	·			·	·			·	·	·	·	·	·
2.4 Fertilizer application	1 Male		·	·			·	·			·	·			·	·	·	·	·	·
	2 Female		·	·			·	·			·	·			·	·	·	·	·	·
2.5 Watering	1 Male		·	·			·	·			·	·			·	·	·	·	·	·
	2 Female		·	·			·	·			·	·			·	·	·	·	·	·
3. Transfer of stocks	1 Male		·	·			·	·			·	·			·	·	·	·	·	·
	2 Female		·	·			·	·			·	·			·	·	·	·	·	·

NOTE: Col. 20 - Ask the total cost incurred for the provision of food (meals, snacks, refreshments) to farm laborers.

Col. 21 - Get the prevailing wage rate per day for all the activities performed by unpaid workers.

F. LABOR INPUTS (in focus pond) . . . continued

Activity		Operator Labor			Family Labor				Exchange Labor				Hired Labor						Total Food Cost (P)	Prevailing wage rate per day (P)
		No. of days	No. of hours per day	Mandays	No. of persons	Average no. of		Mandays	No. of persons	Average no. of		Mandays	No. of persons	Average no. of		Mandays	Total Payment			
						days per person	hours per day			days per person	hours per day			days per person	hours per day		Cash (P)	Non-Cash (P)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
4. Feeding	1 Male		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
	2 Female		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
5. Harvesting	1 Male		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
	2 Female		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
6. Maintenance and repair of dikes	1 Male		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
	2 Female		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
7. Others	1 Male		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
	1) _____		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
2) _____	1 Male		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
	2 Female		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
3) _____	1 Male		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
	2 Female		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
4) _____	1 Male		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _
	2 Female		· _	· _ _			· _	· _ _			· _	· _ _			· _	· _ _	· _ _	· _ _	· _ _	· _ _

**NOTE: Col. 20 - Ask the total cost incurred for the provision of food (meals, snacks, refreshments) to farm laborers.
 Col. 21 - Get the prevailing wage rate per day for all the activities performed by unpaid workers.**

<p>I. BUYER INFORMATION</p> <p>1. Major buyer of produce: (Encircle code/s and indicate percentage)</p> <p>1 - Agent - _____ %</p> <p>2 - Wholesaler - _____ %</p> <p>3 - Retailer - _____ %</p> <p>4 - Wholesaler-retailer - _____ %</p> <p>5 - Exporter - _____ %</p> <p>6 - Cooperative - _____ %</p> <p>7 - Consumer - _____ %</p> <p>8 - Processor - _____ %</p> <p>9 - Others: 1) _____ - _____ %</p> <p style="padding-left: 40px;">2) _____ - _____ %</p>	<p>J. PROBLEMS ENCOUNTERED</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top; padding: 5px;"> <p>1. Production related problems: (Encircle code/s)</p> <p>1 - Pests and diseases</p> <p>2 - High cost of inputs</p> <p style="padding-left: 20px;">1 - Stocking materials</p> <p style="padding-left: 20px;">2 - Fertilizer</p> <p style="padding-left: 20px;">3 - Others (specify): _____</p> <p>3 - Bad weather / natural calamities</p> <p>4 - Lack of capital</p> <p>5 - Pollutants / siltation</p> <p>6 - Unavailability of stocking materials</p> <p>7 - Others (specify): _____</p> </td> <td style="width: 50%; vertical-align: top; padding: 5px;"> <p>2. Marketing related problems: (Encircle code/s)</p> <p>1 - Unstable prices</p> <p>2 - Rough roads / high transport cost</p> <p>3 - Low price of produce</p> <p>4 - No buyer / market outlet</p> <p>5 - Lack of marketing information</p> <p>6 - Others: 1) _____</p> <p style="padding-left: 40px;">2) _____</p> <p style="padding-left: 40px;">3) _____</p> <p style="padding-left: 40px;">4) _____</p> <p style="padding-left: 40px;">5) _____</p> </td> </tr> </table>	<p>1. Production related problems: (Encircle code/s)</p> <p>1 - Pests and diseases</p> <p>2 - High cost of inputs</p> <p style="padding-left: 20px;">1 - Stocking materials</p> <p style="padding-left: 20px;">2 - Fertilizer</p> <p style="padding-left: 20px;">3 - Others (specify): _____</p> <p>3 - Bad weather / natural calamities</p> <p>4 - Lack of capital</p> <p>5 - Pollutants / siltation</p> <p>6 - Unavailability of stocking materials</p> <p>7 - Others (specify): _____</p>	<p>2. Marketing related problems: (Encircle code/s)</p> <p>1 - Unstable prices</p> <p>2 - Rough roads / high transport cost</p> <p>3 - Low price of produce</p> <p>4 - No buyer / market outlet</p> <p>5 - Lack of marketing information</p> <p>6 - Others: 1) _____</p> <p style="padding-left: 40px;">2) _____</p> <p style="padding-left: 40px;">3) _____</p> <p style="padding-left: 40px;">4) _____</p> <p style="padding-left: 40px;">5) _____</p>
<p>1. Production related problems: (Encircle code/s)</p> <p>1 - Pests and diseases</p> <p>2 - High cost of inputs</p> <p style="padding-left: 20px;">1 - Stocking materials</p> <p style="padding-left: 20px;">2 - Fertilizer</p> <p style="padding-left: 20px;">3 - Others (specify): _____</p> <p>3 - Bad weather / natural calamities</p> <p>4 - Lack of capital</p> <p>5 - Pollutants / siltation</p> <p>6 - Unavailability of stocking materials</p> <p>7 - Others (specify): _____</p>	<p>2. Marketing related problems: (Encircle code/s)</p> <p>1 - Unstable prices</p> <p>2 - Rough roads / high transport cost</p> <p>3 - Low price of produce</p> <p>4 - No buyer / market outlet</p> <p>5 - Lack of marketing information</p> <p>6 - Others: 1) _____</p> <p style="padding-left: 40px;">2) _____</p> <p style="padding-left: 40px;">3) _____</p> <p style="padding-left: 40px;">4) _____</p> <p style="padding-left: 40px;">5) _____</p>		

<p>K. ACCESS TO CREDIT</p> <p>1. Have you availed of any loan for milkfish production? (Encircle code)</p> <p style="padding-left: 40px;">1 - Yes 2 - No, go to Block L</p> <p>2. How much loan did you avail of? P_____ . ____</p> <p>3. How much was the interest rate per annum? _____ . ____%</p> <p>4. Who / What was your source of loan? (Encircle code)</p> <p>1 - Cooperative</p> <p>2 - Bank</p> <p>3 - Private individual</p> <p>4 - Other lending institution (specify): _____</p>	<p>L. OTHER INFORMATION</p> <p>1. Is the operator a member of fishery related association? (Encircle code)</p> <p style="padding-left: 40px;">1 - Yes 2 - No</p> <p style="padding-left: 40px;">If Yes, identify _____ Benefits derived _____</p> <p>2. Does the operator consult / use advice of: (Encircle code)</p> <p>2.1 Government extension agents? 1 - Yes 2 - No</p> <p>2.2 Private extension agents? 1 - Yes 2 - No</p> <p>3. What are your future plans regarding milkfish farm operation? (Encircle code)</p> <p>1 - Maintain current operation 3 - Others: 1) _____</p> <p style="padding-left: 40px;">2 - Expand 2) _____</p> <p>4. What will you suggest to the government for the improvement of milkfish industry?</p> <p>_____</p> <p>_____</p>
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M. INTERVIEW / SURVEY PARTICULARS			
	Data Collector	Field Supervisor/Editor	PASO
Name:	_____	_____	_____
Signature:	_____	_____	_____
Date Accomplished:	_____	_____	_____



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Agricultural Accounts and Statistical Indicators Division (AASID)
Socio-Economic Statistics Section (SESS)
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