

Philippines - Costs and Returns Survey of Onion Production 2006

Bureau of Agricultural Statistics

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Overview

Identification

ID NUMBER

PHL_2006_CRSOP_v01_EN_M_v01_A_OCS

Overview

ABSTRACT

Information on onion farming will help provide directions to agricultural entrepreneurs and investors. It also serves the statistical requirements of onion growers and policy makers for planning and decision making regarding onion production and marketing.

The survey aimed at generating updated data on levels and structure of production costs and returns. Specifically, it was conducted to determine the indicators of profitability such as gross and net returns, returns above cash costs, net profit - cost ratio, etc.; usage of materials and labor inputs; and other related socio-economic variables including information on new production technologies.

KIND OF DATA

Sample survey data [ssd]

UNITS OF ANALYSIS

Agricultural holdings

Scope

NOTES

The survey focused on generating costs and returns structure of onion production. The scope of the survey included the following:

- Characteristics of the farmers/operators such as age, sex, main occupation, experience in onion production and highest educational attainment.
- Farm characteristics such as total farm area, number of parcels operated by the farmer, area planted and harvested to onion and other crops, number of cropping's per year, variety of onion planted, tenurial status, method of planting, month of planting and harvesting onion.
- Farm investments such as inventory of farm investments used, year and cost of acquisition, repairs and improvement cost and estimated life and usage in the focus onion farm.
- Material inputs such as quantity and cost of planting materials, fertilizers, mulching materials, insecticides, herbicides/weedicides, fungicides and other chemicals.
- Labor inputs such as labor utilization (in terms of man days) and labor cost by type of farming activity, by source of labor and by sex and food cost incurred.
- Other production costs such as cash and non-cash payments for land tax, land lease/rental, rental value of owned land, rentals of machine, animals and tools, fuel and oil, transport costs of inputs, irrigation fee, electricity, interest payment on crop loans, storage cost and other production costs.
- Production and disposition such as volume of onion production and its disposition in terms of sold, harvesters' share, threshers' share, other laborers' share, landowners' share, lease rental, for home consumption, given away, used for seeds, wastage and other purposes.
- Buyer information such as major buyer of onion and the percentage of onion sold to each buyer and the perceived right price of onion.

- Problems encountered such as problems affecting production and marketing of onion.
- Access to credit such as amount and source of crop loan, interest rate per annum and percentage of loan used in onion production.
- Other information such as membership in onion-related association and benefits derived, access to extension services, future plans of onion farmers and their recommendations to improve onion industry.

Coverage

GEOGRAPHIC COVERAGE

The survey covered the top three (3) onion producing provinces namely: Ilocos Norte, Pangasinan and Nueva Ecija.

UNIVERSE

The survey covered all onion farms with harvests during the last completed cropping in 2006 as the reference period.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Bureau of Agricultural Statistics	Department of Agriculture

FUNDING

Name	Abbreviation	Role
Department of Agriculture	DA	Funding Source

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
National Statistical Coordination Board		Survey clearance

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Metadata adapted for FAM
Maria Carol Duran	CGD	Bureau of Agricultural Statistics (BAS)	Documenter of the study
Ana M. Eusebio	AME	Bureau of Agricultural Statistics (BAS)	Reviewer of the study
Maura S. Lizarondo	MSL	Bureau of Agricultural Statistics (BAS)	Reviewer of the study

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Sampling

Sampling Procedure

The domain of the study was the province, with the last completed production cycle in 2006 as reference period. The lists of onion producing barangays by province prepared by the concerned BAS Provincial Operations Centers (POCs) served as the sampling frame for this study. The lists contained data on area devoted to onion production and number of onion farmers as of 2006. These data were obtained from the Municipal Agriculturist Offices, Agricultural Technicians, barangay officials and other key informants in the barangays and updated results of the Barangay Screening Survey (BSS).

A two-stage sampling design was employed with the barangay as the primary sampling unit and the onion farmer as the secondary and ultimate sampling unit. The barangays were drawn using systematic sampling from an ordered list of barangays with at least five onion farmers. Systematic sampling was used so that both large and small barangays in the province in terms of onion production would be represented in the sample. On the other hand, sample operators were identified using snowball approach during data collection. During the search for sample operators, a set of screening questions was applied to see to it that the samples satisfy the following criteria: 1) must be engaged in onion production, and 2) must have harvested onion in 2006.

The total sample size was 100 onion growers per province and this was equally allocated to 20 sample barangays. The survey resulted in the following distribution of sample farmers by province:

1. Ilocos Norte (100)
2. Pangasinan (100)
3. Nueva Ecija (100)

Response Rate

Response rate of 100 percent

Weighting

No information provided

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2006-12-06	2006-12-18	N/A

Data Collection Mode

Face-to-face paper [f2f]

Data Processing

Data Editing

Manual editing was initially done at the Provincial Operations Center during and after data collection using the CRS editing guidelines prepared by the Central Office. The edited questionnaires were again checked at the Central Office. Coding and encoding were likewise done at the Central Office.

The document on Editing Guidelines is provided in the technical documents.

Data Appraisal

Other forms of Data Appraisal

Series of reviews were done to assess the quality of the data in terms of reliability and acceptability. A comparison with the results of past surveys on input usage, labor utilization, production cost and return structure of onion was made.