

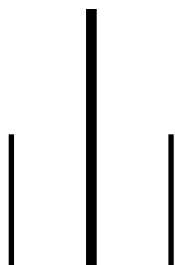
Production Cost and Marketing of Pulses, Oilseeds, Spices and Commercial Crops 2072/2073 (2015/2016)



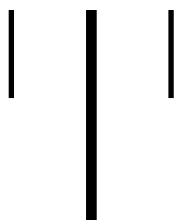
Government of Nepal
Ministry of Agriculture Development
Department of Agriculture
Agribusiness Promotion & Market Development Directorate
Market Research & Statistics Management Program
Harihar Bhawan, Lalitpur
www.mrsmp.gov.np

PRODUCTION COST AND MARKETING OF PULSES, OILSEEDS, SPICES AND COMMERCIAL CROPS

2072/2073 (2015/2016)



**Netra Bahadur Bhandari
Mahendra Kunwar**



Government of Nepal
Ministry of Agriculture Development
Department of Agriculture
Agribusiness Promotion & Marketing Development Directorate
Market Research & Statistics Management Program
Hariharbhawan, Lalitpur
www.mrsmp.gov.np

FOREWORD

The study on the production cost and marketing margins of various agricultural crops is very important for various kinds of stakeholders. This study has been an integral part of a regular activity of this program office. Such studies are conducted from the center as well as various District Agricultural Development Offices during recent years. The overall scenario of cost of production and its associated marketing margin is important particularly from stand point of policy makers, researchers, businessmen and individual farmers. Comparison of such statistics becomes important especially for a commercially driven type of agribusiness.



The policy of the program office has been to keep in record of such information in resources as far as possible. Therefore, using information from various formal and informal sources and coordinate such tasks with the respective District Agriculture Development Offices have been the recent approach of this office. The centre level is basically involved in monitoring and supervising such tasks as well as other socio economic studies of farmers, women and other disadvantaged groups in the country. Program office would continue putting its efforts in this direction in coming days too.

The time now is to think on how to keep Pulses, Oil, Spices, Mushroom and Commercial crop production in a sustainable, profitable and prestigious manner with the thrust to give an effort to uplift the farming occupation, give striking profit margins in them over a period of time. We hope that the present study would serve dual functions of the Department of Agriculture in addressing the issues as per the needs of the people who serve the nation in various capacities.

This study is brought to the shape by our colleague Mr. Kishor Parajui, Sr. Agri Economists and Mr. Mahendra Kunwar, Agri Economists. They deserve our special thanks as they also managed computer works to bring out the report in this shape. I sincerely hope that the present study would be utilized as per the need and also hope to welcome useful and constructive comments and suggestions from the users for the improvements of data delivery system in the coming days.

Thank You!

Netra Bahadur Bhandari
For Chief

Ashad, 2073

Table of Contents

Background Information

1.	Introduction	i
2.	Rationale	ii
3.	Objectives	ii
4.	Methodology	iii
5.	Definition & Concepts	iii-ix
6.	Major Findings	x-xxxviii

S.N	Districts	Varieties	Production Condition	Page No
-----	-----------	-----------	----------------------	---------

PULSES CROPS

Lentil

1	Rasuwa	Kalo Musuro	Rainfed/Main Season	1
2	Sindhupalchok	Kalo Musuro	Rainfed/Main Season	2
3	Sindhuli	Khajura Musuro	Rainfed/Main Season	3
4	Banke	Shikhar	Rainfed/Main Season	4
5	Kapilwastu	Shikhar	Rainfed/Main Season	5
6	Dang	Shikhar	Rainfed/Main Season	6
7	Sunsari	Simal	Rainfed/Main Season	7

Pigeon Pea

1	Rupandehi	Bageshowri	Rainfed/Main Season	8
2	Bara	Bageshowri	Rainfed/Main Season	9
3	Chitwan	Rampur-1	Rainfed/Main Season	10
4	Rautahat	Bageshowri	Rainfed/Main Season	11
5	Udaypur	Bageshowri	Rainfed/Main Season	12
6	Sunsari	Bageshowri	Rainfed/Main Season	13

Black Gram

1	Mohatari	Kalu	Rainfed/Main Season	14
2	Tehrathum	Kalu	Rainfed/Main Season	15
3	Gorkha	Kalu	Rainfed/Main Season	16
4	Achham	Kalo Fusre	Rainfed/Main Season	17
5	Taplejung	Kalu	Rainfed/Main Season	18
6	Palpa	Kalu	Rainfed/Main Season	19

Kidney Bean

1	Kanchanpur	Hatedi	Irrigated/Main Season	20
2	Chitwan	Hatedi	Irrigated/Main Season	21

3	Siraha	Kaleji	Irrigated/Main Season	22
4	Darchula	Rajma	Irrigated/Main Season	23
5	Illam	Rajma	Irrigated/Main Season	24

Pea

1	Makwanpur	Sikkim Green	Rainfed/Main Season	25
2	Nuwakot	Sikkim Green	Rainfed/Main Season	26
3	Bara	New Line	Rainfed/Main Season	27
4	Dhanusha	Sikkim Green	Rainfed/Main Season	28
5	Dang	Akrel	Rainfed/Main Season	29
6	Rupandhehi	Akrel	Rainfed/Main Season	30

Cowpea

1	Gulmi	Khumal Tane	Rainfed/Main Season	31
2	Rolpa	Khumal Tane	Rainfed/Main Season	32
3	Rautahat	Sarlahi Tane	Rainfed/Main Season	33
4	Nawalparasi	Sarlahi Tane	Rainfed/Main Season	34
5	Surkhet	Khumal Tane	Rainfed/Main Season	35
6	Bajura	Sarlahi Tane	Rainfed/Main Season	36

OIL SEED CROPS

Mustard

1	Tapalejung	Lumle-1	Rainfed/Main Season	37
2	Gulmi	Lumle-1	Rainfed/Main Season	38
3	Rupandhehi	Pragati	Rainfed/Main Season	39
4	Chitwan	Unnati	Rainfed/Main Season	40
5	Dang	Priti	Rainfed/Main Season	41
6	Pyuthan	Lumle-1	Rainfed/Main Season	42
7	Jhapa	Morang Tori	Rainfed/Main Season	43

Yellow Mustard

1	Lamjung	Krishna	Rainfed/Main Season	44
2	Chitwan	Krishna	Rainfed/Main Season	45
3	Bara	Krishna	Rainfed/Main Season	46
4	Surkhet	Pusa	Rainfed/Main Season	47
5	Kavrepalanchok	Pusa Bold	Rainfed/Main Season	48
6	Jhapa	Pusa Bold	Rainfed/Main Season	49
7	Kailali	Pusa Bold	Rainfed/Main Season	50

Sesame

1	Lamjung	Nawalpur Khairo	Rainfed/Main Season	51
---	---------	-----------------	---------------------	----

2	Bara	Nawalpur Khairo	Rainfed/Main Season	52
3	Kapilwastu	Nawalpur Khairo	Rainfed/Main Season	53
4	Dailekh	Nawalpur Khairo	Rainfed/Main Season	54
5	Khotang	Nawalpur Khairo	Rainfed/Main Season	55

Groundnut

1	Kapilwastu	Rajarshi	Irrigated/Main Season	56
2	Dang	Baidehi	Rainfed/Main Season	57
3	Banke	Janak	Rainfed/Main Season	58

SPICES CROPS

Chilli

1	Kanchanpur	Namdhari	Irrigated/Main Season	59
2	Chitwan	Namdhari	Rainfed/Main Season	60
3	Dhankuta	Jwala	Rainfed/Main Season	61
4	Sunsari	Namdhari	Rainfed/Main Season	62
5	Dhadhing	Jwala	Unrrigated/Main Season	63
6	Udayapur	Local	Rainfed/Main Season	64
7	Arghakhanchi	Jwala	Unrrigated/Main Season	65

Onion

1	Bara	Red Cruel	Rainfed/Main Season	66
2	Salyan	NL-53	Rainfed/Main Season	67
3	Kapilwastu	Red Cruel	Irrigated/Main Season	68
4	Saptari	Red Cruel	Irrigated/Main Season	69
5	Sindhuli	Nasik Red	Irrigated/Main Season	70
6	Bardia	NL-53	Irrigated/Main Season	71

Garlic

1	Bhojpur	Nepali Local	Rainfed/Main Season	72
2	Argakhachi	Nepali Local	Rainfed/Main Season	73
3	Doti	Nepali Local	Rainfed/Main Season	74
4	Salyan	Nepali Local	Rainfed/Main Season	75
5	Surkhet	Nepali Local	Rainfed/Main Season	76
6	Rautahat	Chinese	Irrigated/Main Season	77
7	Nawalparasi	Chinese	Irrigated/Main Season	78

Ginger

1	Therathum	Nase	Rainfed/Main Season	79
2	Palpa	Nase	Rainfed/Main Season	80
3	Pyuthan	Nase	Rainfed/Main Season	81
4	Khotang	Nase	Rainfed/Main Season	82

5	Doti	Bose	Rainfed/Main Season	83
6	Kailali	Nase	Rainfed/Main Season	84
7	Salyan	Bose	Rainfed/Main Season	85
8	Dhankuta	Nase	Rainfed/Main Season	86

Turmeric

1	Pyuthan	Local	Rainfed/Main Season	87
2	Gorkha	Local	Rainfed/Main Season	88
3	Khotang	Local	Rainfed/Main Season	89
4	Salyan	Local	Rainfed/Main Season	90
5	Doti	Local	Rainfed/Main Season	91

Cardamon

1	Sunkuwasabha	Ramsai	Irrigated/Main Season	92
2	Gorkha	Ramsai	Irrigated/Main Season	93
3	Illam	Ramsai	Irrigated/Main Season	94
4	Lamjung	Ramsai	Irrigated/Main Season	95

COMMERCIAL CROPS

Tea

1	Jhapa	Orthodox	Rainfed/Main Season	96
2	Sindhupalchock	CTC	Rainfed/Main Season	97
3	Illam	Orthodox	Rainfed/Main Season	98

Coffee

1	Palpa	Robusta	Rainfed/Main Season	99
2	Syangja	Robusta	Rainfed/Main Season	100
3	Gulmi	Robusta	Rainfed/Main Season	101

Bittle Nut

1	Jhapa	Various	Irrigated/Main Season	102
---	-------	---------	-----------------------	-----

Mushroom Tunnel Size (20ft X 40ft)

1	Kathmandu	Gobre	Controlled/Main Season	103
2	Lalitpur	Gobre	Controlled/Main Season	104
3	Kavrepalanchok	Gobre	Controlled/Main Season	105

Mushroom Tunnel Size (12ft X 20ft)

1	Kathmandu	Kanyae	Controlled/Main Season	106
2	Lalitpur	Kanyae	Controlled/Main Season	107
3	Kavrepalanchok	Kanyae	Controlled/Main Season	108

Production Cost and Marketing of Pulses, Oilseeds, Spices and Commercial Crops

1. Introduction

The agriculture sector and its overall development is directly linked with the objectives of meeting basic needs of the people. The level of farm production and farmers' income depend upon how the farmers plan and manage their farms. Farmers usually perform production planning and management in their own judgment as per individual's capacity and family needs. However, they surely can maximize their farm income by adopting profitable enterprises which manage the resources for maximizing the returns and minimizing costs as well as improving the overall efficiency of farmers. It is the major concern of all the institutions involved in uplifting agricultural livelihood. Information on cost of production and marketing margin is helpful to all the policy makers, agricultural scientist, researchers and farmers communities including the farmers.

The cost of production is an aggregate of fixed and variable costs incurred in crop production. There exists substantial gap in our knowledge concerning critical aspects of farmers' decision-makers regarding profitability. Management capabilities of farmers get improved once they come to realize some facts through direct observation and available information or documents. Data on cost of production can help farmers in their decision making process during the selection of farming business. Farmers get knowledge of profitability as per their agro climatic conditions by comparing the cost of production of different crops as well as other farming activities.

This report has been published in the earlier format on cost of production of some Cereals, Vegetables as it used to be but in the present context, special emphasis has been given on Pulses, Oilseeds, Spices and Commercial Crops. Tea, Coffee, Catechu, Cardamom, Mushroom were the prime concerned commercial crops of the study. We have put forward an effort to impart some light in this concern as well.

The substantial gap remains in our knowledge concerning critical aspects of farmers' decision-making and profitability. Managing capabilities of farmers get improved once they come to realize some facts through available information or documents. The recorded data sets help in recommending the farmers what to grow, how much

to plant, which varieties yield higher and subsequent selection of crop types or varieties; growing conditions, level of inputs to be used etc. Farmers get knowledge or confirmation of profitability on growing different crops suited to their agro-climatic area. Data on the cost of cultivation also play important role in making decision by the planners and policy makers thereby results in the well being of the farmers. The present report aims to fulfill the above kind of requirement for major agricultural growers concentrating on major Pulses, Oil, Spices and Commercial Crops.

2. Rationale

The present study represents the crop production level and input use in the selected production areas of some important districts. The yield and input use level, here noted, may appear to be higher compared to the national average production. Nevertheless, it is hoped that it would be helpful to assess the status of various efficiency indicators and provide basis to judge appropriate resource allocations by farmers so that the effective costs can be reduced to some extent if possible. In addition this report will also assist toward formulation of appropriate price policy. But the generalization of the report is specific to the district condition along with the varietal cultivars in response. In the crop categories of lentil, oil and Spices crops there were plenty in numbers however only few crops were covered due to budgetary, time and manpower limitations.

3. Objectives

The objective of this report is to provide information on production costs and returns of major Pulses, Oil, Spices and Commercial Crops by production condition and ecological belts.

The specific objectives are:

- To estimate cost of production of different crops by district those are noted to be important in terms of volume and production importance.
- To provide data on the cost and return of major arable crops by production condition and varieties by the use of different technologies.
- To estimate marketing margins of various crop by districts.

4. Methodology:

The report has been compiled by conducting field surveys for primary data collection of major crops growing areas of various districts through structured questionnaire and administering the farmers on recall basis. It also uses the published reports of some District Agricultural Development Offices (DADO) on cost of production of agricultural crops as part of their annual program and the input data supplied by the DADO for the secondary sources. Similarly, the wholesale price data is used from the reports of Agribusiness Promotion and Market Development Directorate for the verification of the market price of the product.

The Survey was conducted in 108 sampled frequency districts and the districts were purposively selected as per the prominent crops. A well structured open ended questionnaire was designed and survey was conducted jointly by the Program and the District Agriculture Development Offices. The collected questionnaires were processed manually as well as using MS Excel program. The tentative summary of the research was presented in the Technical Committee Meeting and the advices given in the presentation was incorporated before the publication.

5. Definition and Concepts

The followings are the definitions and concepts used in the study.

5.1 Cost of Production

Cost of production, the core of this study has been reported in two forms viz. (a) Total Cost per hectare and (b) Cost per quintal.

(a) Total Cost:

This is the summation of all costs, both in cash and kind including household labor incurred during the production process.

(b) Cost per Quintal:

Cost per quintal is computed on the basis of "total cost" minus "value of by-product" divided by "volume of main product in quintals" using the following formula.

$$\text{Cost per Quintal} = \frac{\text{Total cost per hectare} - \text{Value of by-products}}{\text{Total volume of the main product in quintal}}$$

However, as no by-products were reported to have been valued, the by-product case is not applicable at this point. So the formula will remain at this moment as:

$$\text{Cost per Quintal} = \frac{\text{Total cost per hectare}}{\text{Total volume of the main product in quintal}}$$

5.2 Production Condition

Production condition may vary within and between the districts depending upon its geographical conditions and niches of the respective districts. As the study is concerned, it has taken an account of the mountains, hills and Terai districts and its popular varieties. However being strict, the production condition denotes irrigation condition (irrigated/rain-fed). Varieties of crops considered are noted as Local/Improved under which the crop is cultivated. Similarly other major crops under the study comprises of improved cultivars as main season crops.

5.3 Total Variable Cost

Total variable costs are the costs at market price level and incurred both in cash or kind on items such as human labor, bullock labor, seed, manures, fertilizers, plant protection aids, staking or other costs like transportation charges. The interest on variable cost has been calculated at 12 percent per annum and has been accounted as per the number of the months that crops withstand. Similarly the management and the land rent have also been incorporated with the total variable costs in lentil, oil and Spices and Commercial crops. Level of these costs varies depending on production locations, technology use and scale of production.

5.3.1 Human Labor

Human labor is one of the important components of cost involved in cost of crop production. It has been expressed in terms of adult man-day (eight working hours) in the field. Generally in rural areas, woman workday and child workday is converted in terms of adult man-day, and it is being calculated as it usually in practice. However the reported price of the labor might get different from the District Labor Rate as the survey (primary survey) has counted the price in usual practice only.

- 1.25 woman days is equivalent to one-man day; implying 1 woman day = 0.8 man day.
- 2 child-days is equivalent to one-man day; implying 1 child day = 0.5 man day.

A. Own Family Labor:

It implies the labor contribution on farm by own family members. It is the main source of farm labor in case of small and medium sized farms. For estimating such costs, family labor has been valued as paid type of labor. Labor taken on exchange basis is also included in family labor.

B. Hired Labor:

Hired labor is the non-family labor employed for farm work as payment on wages in cash, kind or both. Normal breakfast has also been included in this cost.

5.3.2 Bullock Labor

Bullock labor inputs are measured in terms of bullock a day, which means use of a pair of bullock for eight hours. Bullock services costs have been calculated at the current district market rate per pair of bullock per day. The cost incurred for ploughman is separately included in the human labor.

5.3.3 Manures and Fertilizers

Manures and fertilizers are measured in physical as well as value terms. Marketing of manure is not usual in most of the rural areas of Nepal. As substantial amount of labor is involved in preparation of manure, a minimum cost is assigned. While taking an account of the fertilizers, urea, di-ammonium phosphate (DAP) and murate of potash (potash) are commonly available in the market and applied in the farms. The cost of fertilizers has been calculated on the basis of actual price paid by the farmers.

5.3.4 Irrigation

Irrigation charge or cost incurred while hiring pump-set has been taken as actual amount paid. The labor involvement in irrigating field is accounted in human labor.

5.3.5 Seed

Purchased seeds have been charged at market price. Utilization of own farm produced seeds has been evaluated at the local price during the sowing season.

5.3.6 Other Material Inputs

Material inputs such as pesticides and insecticides have been taken at actual price paid.

5.3.7 Management Cost

Management cost is incurred by the farmer as its one of the factor of production system and it differs with spatial and temporal. Thus it has been calculated as per the practice being reported by the farmers for the seasonal crops and in case of the annual crops calculated annually. The spatial distribution has been stated as for the Terai regions, Highhills/Midhills, adjoining districts like Nuwakot, Kavrepalanchok and Dhadhing and Valleys like Kathmandu, Bhaktapur and Lalitpur as follows:

Terai : Rs 3000 per Hectare per Crop per Season

Midhills/Highhills: Rs 1500 per Hectare per Crop per Season

Adjoining Valleys: Rs 2000 per Hectare per Crop per Season.

Valley: Rs 3000 per Hectare per Crop per Season

5.3.8 Land Lease

Land is one of the prime factors of production and leasing or acquiring the land on rent for the agriculture land is in practice in major parts of the country and it differs spatial and temporal. However the leasing is done for at least 5 years to 10 years going up to 20 years. The cost incurred by the producer farmers to get the land for the production had been reported as per the vogue thus it has been calculated as per the practice being reported by the farmers for the seasonal crops and for annual crops calculated annually that has been reported below as stated in management cost.

Terai : Rs 13500 per Hectare @ Rs 150/Month/Kattha per season

Midhills/Highhills: Rs 9000 per Hectare @ 150/Month/Ropani per Season

Adjoining Valleys: Rs 15000 per Hectare @ 250/Month/Ropani per Season.

Valley: Rs 30000 per Hectare @ 500/Month/Ropani per Season

5.3.9 Interest on Working Capital

Interest on the working capital, charged as cash expenses incurred are calculated as 12 percent per annum and thus calculated for a particular crop for the months it covers the arable land and it is incurred in the conditions such as:

- a. Hired human and bullock labor
- b. Hired tractor and pump-set
- c. Other taxes
- d. Expenses incurred on material inputs such as seeds, chemicals, fertilizers, manures, insecticides and pesticides.

5.4. Fixed Cost

Fixed costs are those that do not vary with size of enterprise and have limited bearing upon decisions to increase or decrease production. It includes land revenue, water tax, maintenance and depreciation costs on tools and implements.

5.4.1 Land Tax

Agricultural land is classified into upland and lowland. The land survey has divided each type of land into 4 categories namely, Abbal, Doyam, Sim and Chahar. The land tax has been taken as actual tax paid by the farmers.

5.4.2 Other Tax

It includes water tax, local tax and other governmental taxes if any levied in some special areas for specific unique purpose.

5.4.3 Depreciation

Depreciation cost is calculated on the basis of purchase value and serviceable life of an asset. The serviceable life of an asset is ascertained from farmer's experience.

The formula for calculating annual depreciation cost is as follows:

Depreciation Cost = (Purchase value – Scrap value)/Serviceable lifetime of the farm asset.

For those small agricultural tools and implements, which last around a year scrap, value is not taken into account since they are negligible.

Farm families have agricultural tools and these are used virtually for all most all crops. Depreciation charge for each crop is calculated by the following formulae:

Depreciation cost per crop = (Area under a crop X Annual depreciation cost)/ Total cropped area

5.4.4 Repairs and Maintenance

Farmers in rural areas pay a fixed amount of their main produce to local blacksmiths who provide regular services of repair and maintaining services of agricultural tools and implements. An annual repairing and maintenance cost is calculated by using the following formula:

$$\text{Repair and maintenance} = \frac{\text{Area under particular crop X Grain quantity paid X Price per unit}}{\text{Total Cropped Area}}$$

However, payment made by the farmer for the year round repair and maintenance is proportioned as per the crop duration and the area of cultivation.

5.5 Gross Income

It is the value of the total crop produce (output) including main and by-product evaluated at farm gate price.

5.6 Output Input Ratio

This is the ratio of the value of output including by-product and the total cost of production on per hectare basis.

5.7 Gross Profit at Farm Gate

It is the difference between the gross incomes to the total cost considering the product price at farm gate.

5.8 Net Profit

It is the value of product in the nearby market deducing the marketing and total cost with the value of by product if available as per the kind of the commodity.

5.9 Benefit Cost Ratio

This is the ratio of value of output including by product & total cost of production on farm gate price.

$B/C \text{ Ratio} = \text{Gross income} / \text{Total Cost}$

5.10 Value at Market

It is the price of the total marketed volume at the respective near most market where farmers sell their product at wholesale price. Some criterion is adopted for calculating the value at market considering the same district's or the relevant near most wholesale market price by deducing post harvest and handling loss in total quantity of main product. The deduction percent from the farm gate to the market in loss calculation as per the farmers' perspective is 5 percent in mushroom, 12 percent on pulses, oil, chilly crops, and 15 percent in cardamom. Similarly in catechu as 20 percent along with in onion, garlic, ginger, turmeric 25 percent and of handling cost per kilogram of the goods handled depending upon the crop.

The losses incurred during the transportation and handling of the commodity has been calculated ranging from five to twenty five percent as per the nature and perishable nature of the commodity and twelve to fifty percent per kilogram as per the commodity for the transportation and handling. The value at market is determined by the market price prevailed in the relevant near most wholesale market for the each crop taken an account for the study and not the actual prevailing reported market prices rather the price that farmer would get in hand. And finally the value at market is the total volume of product deducing the handling loss and transportation costs multiplied by the value of the produce that the farmer would

achieve not the wholesale price reported in the near most wholesale market of the concerned districts. The market may be of the same district or of the neighboring district or even the distant market like Kathmandu.

6. Major Findings of the Study

The study of the Cost of Production and Profit Margin has provided information on costs, income, profit margin and benefit cost ratio of major Pulses, Oil, Spices and Commercial Crops. The study covered 108 sample frequency districts representing the major ecological belts like Terai, Middhills and Highhills as per the relevance. The study was focused on yield, total costs, value of main product at farm gate and near most wholesale market price, gross income, and gross profit at farm gate, net profit per hectare and benefit cost ratio. The district and commodity wise average price and costs has also been considered which may assist the planners, researchers, entrepreneurs, extension workers, farmers and other concerned stake holders for making further decisions. The brief on summary data has been given as follows. Please, see the Annexes for further details.

Pulses

There are plenty of Legume crops that are regarded as pulses in Nepal. Crops that are consumed fresh can be considered as the vegetable while the dried form is regarded as pulses. There were numerous numbers of pulses that is cultivated far and wide in all ecological belts throught the country. The study couldn't cover all the legumes however the coverage is 6 crops in 36 samples frequency districts. The crops under this study are namely lentil, pigeon pea, black gram, kidney bean, snow pea and cowpea. The entire product in the study is taken as pulses in dried form.

6.1.1 Lentil

Lentil is one of the popular autumn crops and grown in plenty rice fields and it helps to increase cropping intensity, soil fertility and helps farmers to raise income levels. The study covered in 7 districts with improved lentil 4 Terai districts and local lentil in 3 Hill districts.

The yield, total costs, value of main product at farm gate and market, gross income at farm gate, cost per quintal, net profit at the farm and market levels and the benefit cost ratio per hectare of improved Lentil in Terai districts is presented in the table no 1 below:

Table 1 Yield, Returns, Costs and Net Profit of Improved Mainseason Lentil of Some Districts:

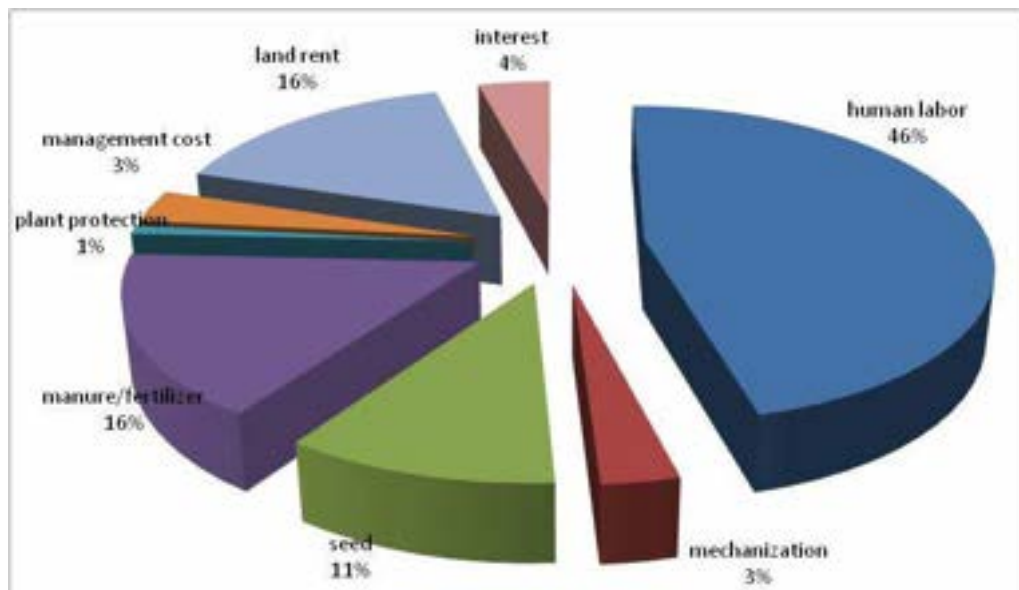
Districts	Yield	Total Cost	Value of Main Product		Gross Income Farmgate	Costs	Net Profits		Benefit Cost
			Farmgate	Market			Farmgate	Market	
	Kg/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Qt	Rs/Ha	Rs/Ha	Ratio/Ha
Banke	1395.00	75040.20	111879.00	114634.13	111949.00	5379.23	36908.80	39496.53	1.49
Kapilvastu	1420.00	70959.80	107565.00	109606.25	107651.00	4997.17	36691.20	38562.05	1.52
Dang	1410.00	69462.40	106807.50	108164.63	106897.50	4926.41	37435.10	38623.03	1.54
Sunsari	1445.00	70412.60	109820.00	111192.75	109912.00	4872.84	39499.40	40698.75	1.56
Average	1417.50	71468.75	109017.88	110899.44	109102.38	5043.91	37633.63	39345.09	1.53

Similarly, the yield, total costs, value of main product at farm gate and market, gross income at farm gate, cost per quintal net profit at the farm and market levels and the benefit cost ratio per hectare of local Lentil in Hill districts is also presented in the table no 2 below:

Table 2 Yield, Returns, Costs and Net Profit of Local Mainseason Lentil of Some District

Districts	Yield	Total Cost	Value of Main Product		Gross Income Farmgate	Costs	Net Profits		Benefit Cost
			Farmgate	Market			Farmgate	Market	
	Kg/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Qt	Rs/Ha	Rs/Ha	Ratio/ Ha
Rasuwa	1585.00	82469.80	134725.00	137023.25	134840.00	5203.14	52370.20	54478.25	1.64
Sindhupalchok	1485.00	73518.88	124740.00	131199.75	124835.00	4950.77	51316.12	57597.67	1.70
Sindhuli	1560.00	75184.44	125892.00	127452.00	126019.00	4819.52	50834.56	52207.36	1.68
Average	1543.33	77057.71	128452.33	131891.67	128564.67	4991.14	51506.96	54761.09	1.67

Chart : 1.a. Cost component of Improved and Local Mainseason Lentil of some districts.



Above figures show the item break down of the cost component on improved Mainseason and Local Lentil cultivation of some Teri and Hill districts. 46% cost covered by human labor, whereas only 3% cost covered by the machinery use. Similarly manure and fertilizers covered 16% cost, seeds covered 11% cost, plant protection covered only 1% cost, management covered 3% cost, land rent covered 16% cost and 4% interest cost among all variable cost.

6.1.2 Pigeon Pea

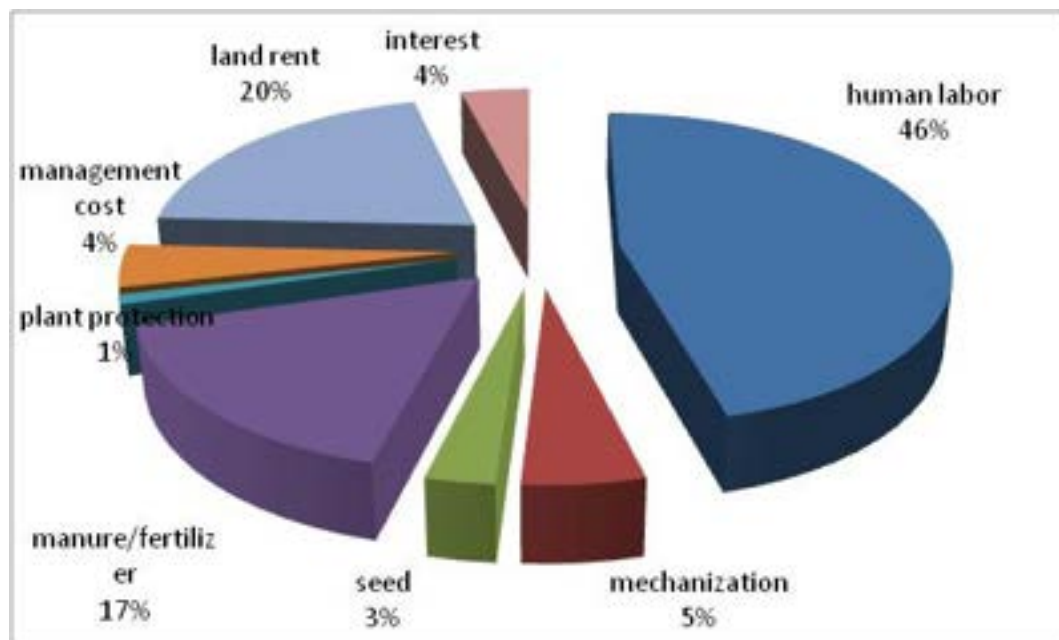
Pigeon Pea is one of the popular autumn crops and grown in plenty dikes of the rice fields and now a day's cultivated in fields as well. This crop helps to increase cropping intensity and helps farmers to raise income levels. The study covered Pigeon Pea in 6 districts with improved 5 Terai districts and 1 Hill districts.

The yield, total costs, value of main product at farm gate and market, gross income at farm gate, cost per quintal, net profit at the farm and market levels and the benefit cost ratio per hectare of improved Pigeon in Terai is presented in the table no 3 below:

Table 3 Yield, Returns, Costs and Net Profit of Improved Mainseason Pigeon Pea of Some Districts:

Districts	Yield	Total Cost	Value of Main Product		Gross Income Farmgate	Costs	Net Profits		Benefit Cost
			Farmgate	Market			Farmgate	Market	
	Kg/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Qt	Rs/Ha	Rs/Ha	Ratio/Ha
Rupandehi	1275.00	68732.28	99450.00	111435.00	100970.00	5390.77	32237.72	44069.72	1.47
Bara	1275.00	70965.00	102000.00	115068.75	103906.25	5565.88	32941.25	45857.00	1.46
Chitwan	1230.00	67194.00	99630.00	109839.00	101536.25	5462.93	34342.25	44403.65	1.51
Rautahat	1170.00	64829.78	88920.00	97812.00	90645.00	5541.01	25815.22	34566.82	1.40
Udaypur	1210.00	57126.70	91960.00	101156.00	93810.00	4721.21	36683.30	45734.10	1.64
Sunsari	1190.00	60352.40	89250.00	96092.50	90975.00	5071.63	30622.60	37322.30	1.51
Average	1225.00	64866.69	95201.67	105233.88	96973.75	5292.24	32107.06	41992.27	1.50

Chart : 1.b. Cost component of improved Mainseason Pigeon Pea of some districts.



Above figures show the item break down of the cost component on improved Mainseason Pigeon Pea cultivation of some Teri and Hill districts. 46% cost covered by human labor, where as only 5% cost covered by the machinery use. Similarly manure and fertilizers covered 17% cost, seeds covered 3% cost, plant protection covered only 1% cost, management covered 4% cost, land rent covered 20% cost and 4% interest cost among all variable cost.

6.1.3 Black Gram

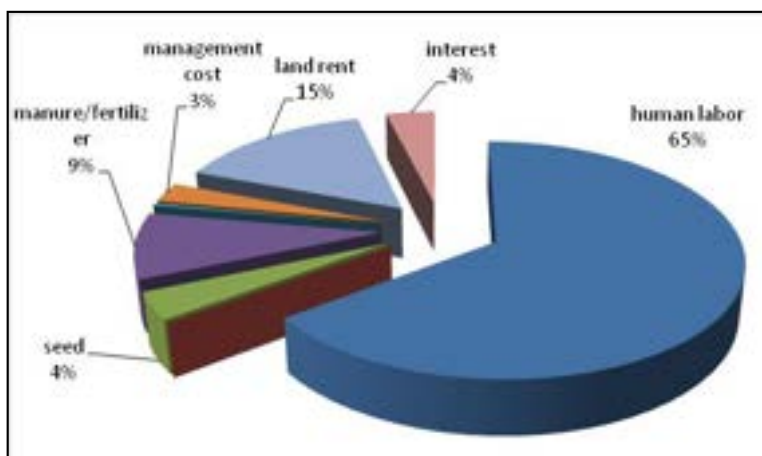
Among legume crops, Black gram is popular in hill districts. The study has covered improved Black Gram in 1 Terai districts and 5 Hill districts

The yield, total costs, value of main product at farm gate and market, gross income at farm gate, cost per quintal, net profit at the farm and market levels and the benefit cost ratio per hectare of improved Black Gram in some Mid Hill Districts is presented in the table no 4 below:

Table 4 Yield, Returns, Costs and Net Profit of Improved Mainseason Black Gram of Some Districts:

Districts	Yield Kg/Ha	Total Cost Rs/Ha	Value of Main Product		Gross Income Farmgate Rs/Ha	Costs Rs/Qt	Net Profits		Benefit Cost Ratio/Ha
			Farmgate	Market			Farmgate	Market	
			Rs/Ha	Rs/Ha			Rs/Ha	Rs/Ha	
Mohatari	1375.00	71275.00	112750.00	126706.25	112750.00	5183.64	41475.00	55266.25	1.58
Terhathum	1255.00	63188.20	104478.75	106289.09	104478.75	5034.92	41290.55	42950.29	1.65
Gorkha	1285.00	64062.20	107940.00	111393.44	107940.00	4985.39	43877.80	47177.04	1.68
Achham	1160.00	59166.00	93322.00	94276.10	93322.00	5100.52	34156.00	34970.90	1.58
Taplejung	1180.00	64303.60	94695.00	96013.65	94695.00	5449.46	30391.40	31568.45	1.47
Palpa	1215.00	61981.00	98658.00	103189.95	98658.00	5101.32	36677.00	41063.15	1.59
Average	1245.00	63996.00	101973.96	106311.41	101973.96	5142.54	37977.96	42166.01	1.59

Chart : 1.e. Cost component of Improved Mainseason Black Gram of some districts.



Above figure show the item break down of the cost component on improved Mainseason Black Gram cultivation of some Teri and Hill districts. 65% cost covered by human labor, where as no cost covered by the machinery use. Similarly

manure and fertilizers covered 9% cost, seeds covered 4% cost, plant protection covered no cost, management covered 3% cost, land rent covered 15% cost and 4% interest cost among on all variable cost.

6.1.4 Kidney Beans

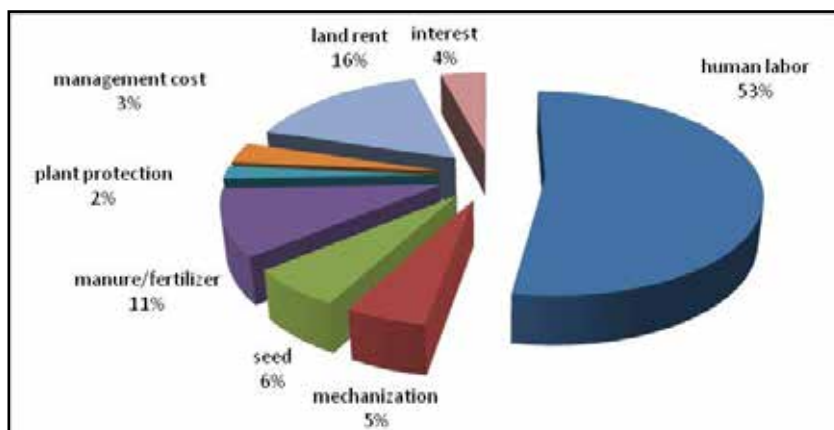
Among the Legume crops, Kidney Bean is also cultivated far and wide. The study has covered 5 districts with an account of 3 Terai districts and 2 Hill districts in improved crop.

The yield, total costs, value of main product at farm gate and market, gross income at farm gate, cost per quintal, net profit at the farm and market levels and the benefit cost ratio per hectare of improved Kidney Beans in Terai and Hill Districts is presented in the table no 5 below:

Table 5 Yield, Returns, Costs and Net Profit of Improved Mainseason Kidney Bean of Some Districts:

Districts	Yield Kg/Ha	Total Cost Rs/Ha	Value of Main Product		Gross Income Rs/Ha	Costs Rs/Qt	Net Profits		Benefit Cost Ratio/Ha
			Farmgate	Market			Farmgate	Market	
			Rs/Ha	Rs/Ha			Rs/Ha	Rs/Ha	
Kanchanpur	1665.00	83454.80	141525.00	142357.50	141525.00	5012.30	58070.20	58702.90	1.70
Chitwan	1685.00	91532.60	148280.00	147269.00	148280.00	5432.20	56747.40	55534.20	1.62
Siraha	1590.00	83816.90	135150.00	135945.00	135150.00	5271.50	51333.10	51937.30	1.61
Darchulla	1455.00	58124.92	116400.00	117491.25	116400.00	3994.84	58275.08	59191.73	2.00
Illam	1594.00	65495.80	130708.00	133258.40	130708.00	4108.90	65212.20	67571.32	2.00
Average	1597.80	76485.00	134412.60	135264.23	134412.60	4763.95	57927.60	58587.49	1.79

Chart : 1.d. Cost component of Improved Mainseason Kidney Bean of some districts.



Above figures show the item break down of the cost component on improved Mainseason Kidney Bean cultivation of some Teri and Hill districts. 53% cost covered by human labor, where as 5% cost covered by the machinery use. Similarly manure and fertilizers covered 11% cost, seeds covered 6% cost, plant protection covered 2% cost, management covered 3% cost, land rent covered 16% cost and 4% interest cost among on all variable cost.

6.1.5 Snow Peas

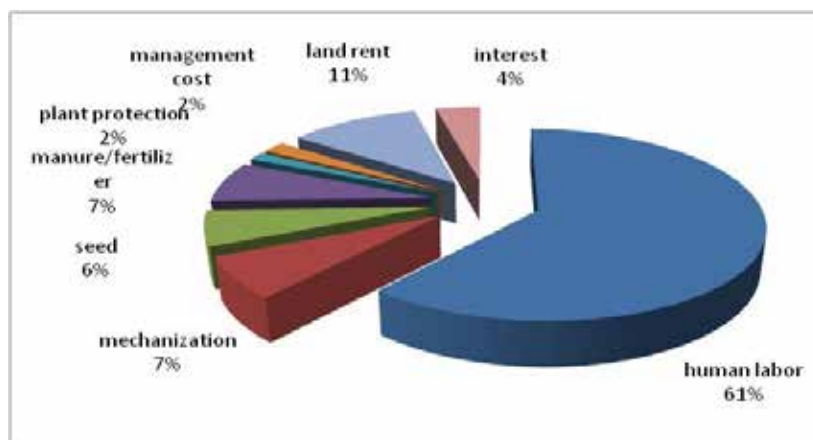
Among the Legume crops, Snow Pea is also cultivated far and wide. It has covered 6 districts with an account of 4 Terai districts and 2 Hill districts in improved crop.

The yield, total costs, value of main product at farm gate and market, gross income at farm gate, cost per quintal, net profit at the farm and market levels and the benefit cost ratio per hectare of improved Snow Pea in Terai and Hill Districts is presented in the table no 6 below:

Table 6 Yield, Returns, Costs and Net Profit of Improved Mainseason Snow Pea of Some Districts:

Districts	Yield Kg/Ha	Total Cost Rs/Ha	Value of Main Product		Gross Income Rs/Ha	Costs Rs/Qt	Net Profits		Benefit Cost Ratio/Ha
			Farmgate	Market			Farmgate	Market	
			Rs/Ha	Rs/Ha			Rs/Ha	Rs/Ha	
Makwanpur	5522.00	131233.20	233304.50	251803.20	233304.50	2376.55	102071.30	119907.36	1.78
Nuwakot	5422.00	125619.20	249412.00	257545.00	249412.00	2316.84	123792.80	131275.16	1.99
Bara	5368.00	118719.20	214720.00	244780.80	214720.00	2211.61	96000.80	125417.44	1.81
Dhanusha	5433.00	125642.80	220036.50	249035.14	220036.50	2312.59	94393.70	122740.38	1.75
Dang	5785.00	122575.80	232557.00	258025.46	232557.00	2118.86	109981.20	134755.46	1.90
Rupandhehi	5485.00	121161.80	223788.00	249855.46	223788.00	2208.97	102626.20	128035.46	1.85
Average	5502.50	124158.67	228969.67	251840.84	228969.67	2257.57	104811.00	127021.88	1.84

Chart : 1.e. Cost component of Improved Mainseason Snow Pea of some districts.



Above figures show the item break down of the cost component on improved Mainseason Snow Pea cultivation in some Teri and Hill districts. 61% cost covered by human labor, where as 7% cost covered by the machinery use. Similarly manure and fertilizers covered 7% cost, seeds covered 6% cost, plant protection covered 2% cost, management covered 2% cost, land rent covered 11% cost and 4% interest cost among on all variable cost.

6.1.6 Cowpea

Among the Legumes crops, Cowpea is also cultivated far and wide. It has covered 6 districts with an account of 4 Hill districts and 2 Terai district in improved crop.

The yield, total costs, value of main product at farm gate and market, gross income at farm gate, cost per quintal, net profit at the farm and market levels and the benefit cost ratio per hectare of improved Cowpea in Terai and Hill Districts is presented in the table no 7 below:

Table 7 Yield, Returns, Costs and Net Profit of Improved Mainseason Cowpea of Some Districts:

Districts	Yield Kg/Ha	Total Cost Rs/Ha	Value of Main Product		Gross Income Rs/Ha	Costs Rs/Qt	Net Profits		Benefit Cost Ratio/Ha
			Farmgate	Market			Farmgate	Market	
			Rs/Ha	Rs/Ha			Rs/Ha	Rs/Ha	
Gulmi	4486.00	111443.00	202991.50	216707.45	202991.50	2484.24	91548.50	104726.13	1.82
Rolpa	4306.00	104703.00	199152.50	220284.20	199152.50	2431.56	94449.50	115064.48	1.90
Rautahat	5043.00	120479.40	227943.60	239542.50	227943.60	2389.04	107464.20	118457.94	1.89
Nawalparasi	4565.00	118420.00	214555.00	249855.46	214555.00	2594.09	96135.00	119553.45	1.81
Surkhet	4695.00	109551.60	211275.00	218552.25	211275.00	2333.37	101723.40	108437.25	1.93
Bajura	4125.00	104921.60	206250.00	215531.25	206250.00	2543.55	101328.40	110114.65	1.97
Average	4536.67	111586.43	210361.27	226745.52	210361.27	2462.64	98774.83	112725.65	1.89

Chart : 1.f. Cost component of Improved Mainseason Cowpea of some districts.



Above figures show the item break down of the cost component on improved Mainseason Cowpea cultivation of some Teri and Hill districts. 59% cost covered by human labor, where as 5% cost covered by the machinery use. Similarly manure and fertilizers covered 10% cost, seeds covered 10% cost, plant protection covered 1% cost, management covered 2% cost, land rent covered 9% cost and 4% interest cost among on all variable cost.

6.2 Oilseed Crops

There are numerous oilseed crops cultivated across the country. However, only four crops ie. Mustard, Yellow Mustard, Sesame and Groundnut are accounted under this study as it has high area coverage and production compared to other oilseed crops. It is quantified in dried form before the processing in the study and regarded as yield. Altogether 22 sample frequency districts are covered as a sample districts under the oilseed crops.

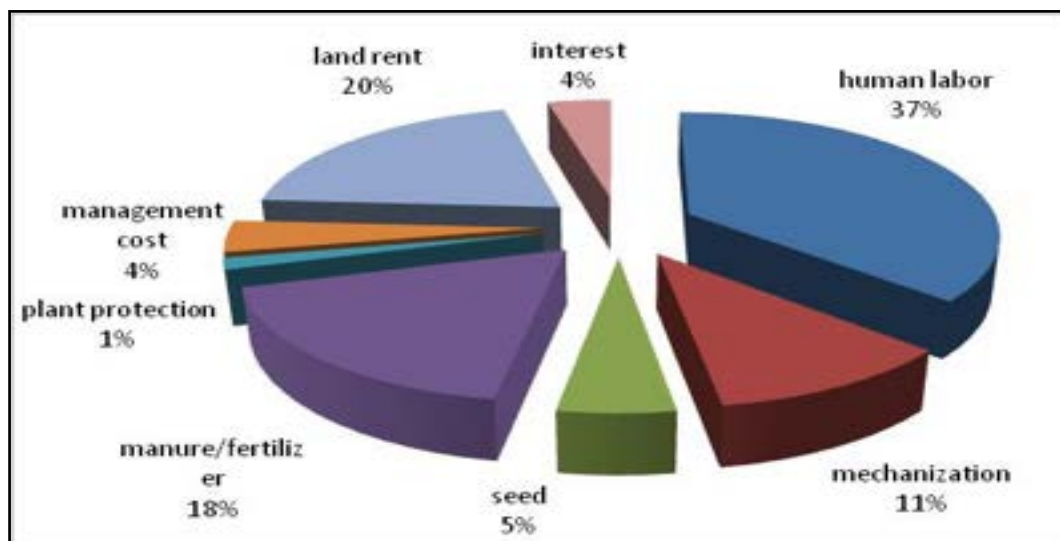
6.2.1 Mustard

Mustard is one of the most popular crops regarding its production and productivity amongst all the oil seed crops. It is cultivated far and wide in special and temporal. The survey was carried out in 7 districts covering 4 Terai districts and 3 Hill districts with improved and irrigated conditions taking an account of the main season crop and 3 Hill Districts with improved and un-irrigated which is presented in the table No 8 below.

Table 8 Yield, Returns, Costs and Net Profit of Improved Mainseason Mustard of Some Districts:

Districts	Yield Kg/Ha	Total Cost Rs/Ha	Value of Main Product		Gross Income Farmgate Rs/Ha	Costs Rs/Qt	Net Profits		Benefit Cost Ratio/Ha
			Farmgate	Market			Farmgate	Market	
			Rs/Ha	Rs/Ha			Rs/Ha	Rs/Ha	
Tapalejung	975.00	55011.20	82875.00	85215.00	82875.00	5642.17	27863.80	30086.80	1.51
Gulmi	966.00	54111.20	91770.00	93605.40	91770.00	5601.57	37658.80	39378.28	1.70
Rupandehi	990.00	61324.20	91080.00	94050.00	91080.00	6194.36	29755.80	32607.00	1.49
Chitwan	1085.00	68195.00	92225.00	94829.00	92225.00	6285.25	24030.00	26503.80	1.35
Dang	995.00	62312.40	94873.25	97455.28	94873.25	6262.55	32560.85	35023.48	1.52
Pyuthan	915.00	49121.52	82350.00	85186.50	82350.00	5368.47	33228.48	35955.18	1.68
Jhapa	995.00	59359.00	89550.00	92634.50	89550.00	5965.73	30191.00	33156.10	1.51
Average	988.71	58490.65	89246.18	91853.67	89246.18	5902.87	30755.53	33244.38	1.54

Chart : 2.a. Cost component of Improved Mainseason Mustard of some districts.



Above figures show the item break down of the cost component on improved Mainseason Mustard cultivation of some Teri and Hill districts. 37% cost covered by human labor, where as 10% cost covered by the machinery use. Similarly manure and fertilizers covered 18% cost, seeds covered 5% cost, plant protection covered 1% cost, management covered 4% cost, land rent covered 20% cost and 4% interest cost among on all variable cost.

6.2.2 Yellow Mustard

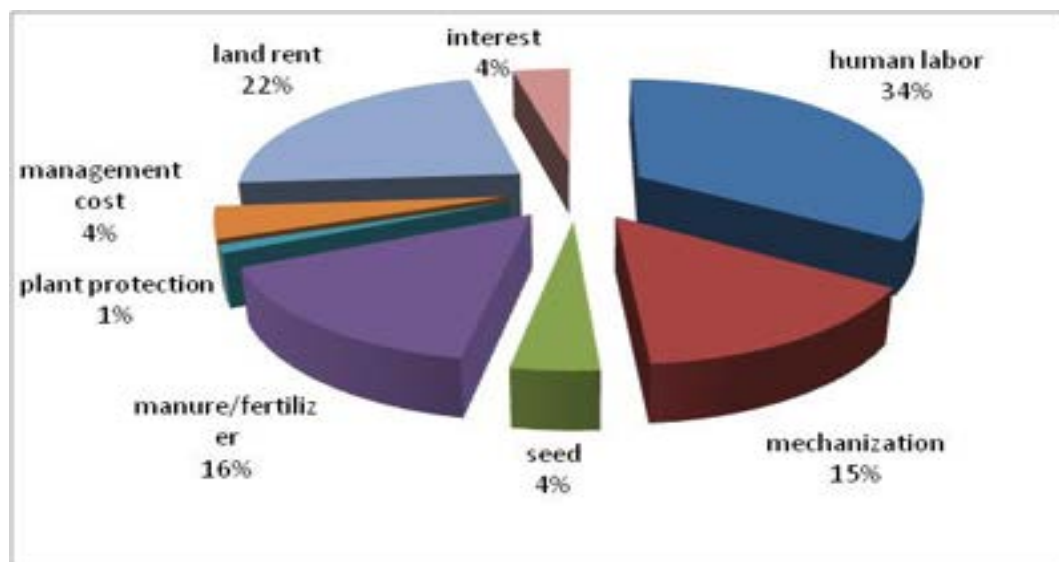
Yellow Mustard is second most popular crops as per its production and productivity amongst all the oil seed crops. It is cultivated far and wide in Terai districts. The survey was carried out in 7 districts covering 4 Terai districts and 3 Hill districts with improved varieties taking an account of the main season crop.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Yellow Mustard in some Terai Districts is presented in the table no 9 below:

Table 9 Yield, Returns, Costs and Net Profit of Improved Mainseason Yellow Mustard of Some Districts:

Districts	Yield	Total Cost	Value of Main Product		Gross Income Farmgate	Costs	Net Profits		Benefit Cost
			Farmgate	Market			Farmgate	Market	
	Kg/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Qt	Rs/Ha	Rs/Ha	Ratio/Ha
Lamjung	980.00	57264.60	94080.00	94962.00	94080.00	5843.33	36815.40	37579.80	1.64
Chitwan	955.00	58373.40	85950.00	89318.76	85950.00	6112.40	27576.60	30830.76	1.47
Bara	945.00	55827.80	83160.00	85510.69	83160.00	5907.70	27332.20	29569.49	1.49
Surkhet	990.00	45590.60	79447.50	92310.08	79447.50	4605.11	33856.90	46600.68	1.74
Kavreplanchok	1005.00	51682.66	87435.00	90701.25	87435.00	5142.55	35752.34	38897.99	1.69
Jhapa	922.00	57767.00	82980.00	85838.20	82980.00	6265.40	25213.00	27960.56	1.44
Kailali	922.00	57767.00	82980.00	85838.20	82980.00	6265.40	25213.00	27960.56	1.44
Average	959.86	54896.15	85147.50	89211.31	85147.50	5734.56	30251.35	34199.98	1.56

Chart : 2.b. Cost component of Improved Mainseason Yellow Mustard of some districts,



Above figures show the item break down of the cost component on improved Mainseason Yellow Mustard cultivation of some Teri and Hill districts. 34% cost covered by human labor, whereas 15% cost covered by the machinery use. Similarly manure and fertilizers covered 16% cost, seeds covered 4% cost, plant protection covered 1% cost, management covered 4% cost, land rent covered 22% cost and 4% interest cost among on all variable cost.

6.2.3 Sesame

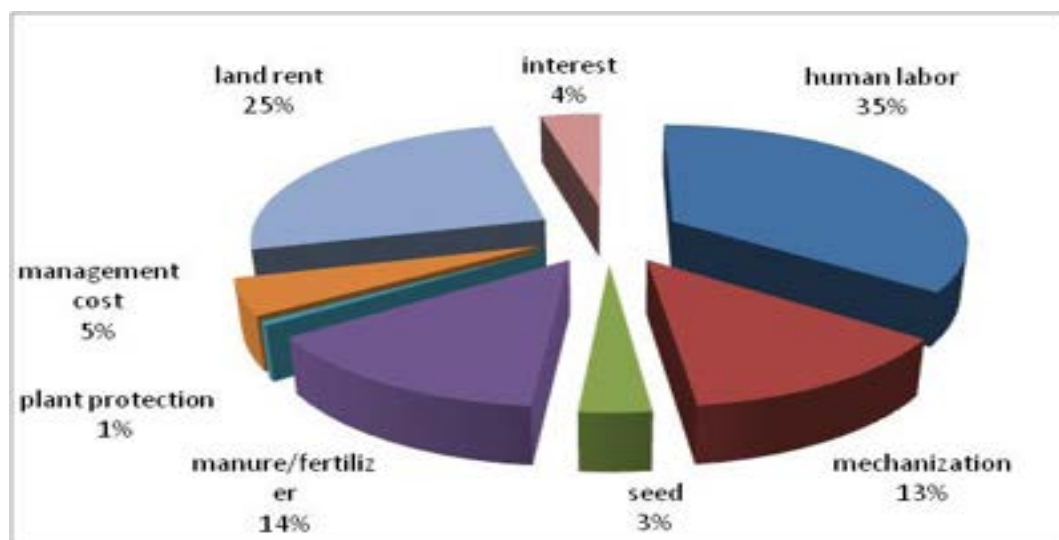
Sesame is another popular oil seed crops as per its production that is cultivated in dry and marginal lands amongst all the oil seed crops. It is cultivated far and wide in Terai districts. The survey was carried out in 2 Terai districts and 3 Hill districts with improved varieties taking an account of the main season crop.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Sesame in some Terai Districts is presented in the table no 10 below:

Table 10 Yield, Returns, Costs and Net Profit of Improved Mainseason Sesame of Some Districts:

Districts	Yield Kg/Ha	Total Cost Rs/Ha	Value of Main Product		Gross Income Farmgate Rs/Ha	Costs Rs/Qt	Net Profits		Benefit Cost Ratio/Ha
			Farmgate	Market			Farmgate	Market	
			Rs/Ha	Rs/Ha			Rs/Ha	Rs/Ha	
Lamjung	725.00	45919.00	101500.00	103312.50	101500.00	6333.66	55581.00	57306.50	2.21
Bara	735.00	49834.28	99225.00	101246.25	99225.00	6780.17	49390.72	51323.77	1.99
Kapilwastu	710.00	43753.40	102950.00	104547.50	102950.00	6162.45	59196.60	60708.90	2.35
Dailekh	710.00	39423.20	95850.00	97802.50	95850.00	5552.56	56426.80	58294.10	2.43
Khotang	715.00	37279.40	93665.00	95095.00	93665.00	5213.90	56385.60	57729.80	2.51
Average	719.00	43241.86	98638.00	100400.75	98638.00	6008.55	55396.14	57072.61	2.30

Chart : 2.c. Cost component of Improved Mainseason Sesame of some districts.



Above figures show the item break down of the cost component on improved Mainseason Sesame cultivation of some Terai and Hill districts. 35% cost covered by human labor, where as 13% cost covered by the machinery use. Similarly manure and fertilizers covered 14% cost, seeds covered 3% cost, plant protection covered 1% cost, management covered 5% cost, land rent covered 25% cost and 4% interest cost among on all variable cost.

6.2.4 Groundnut

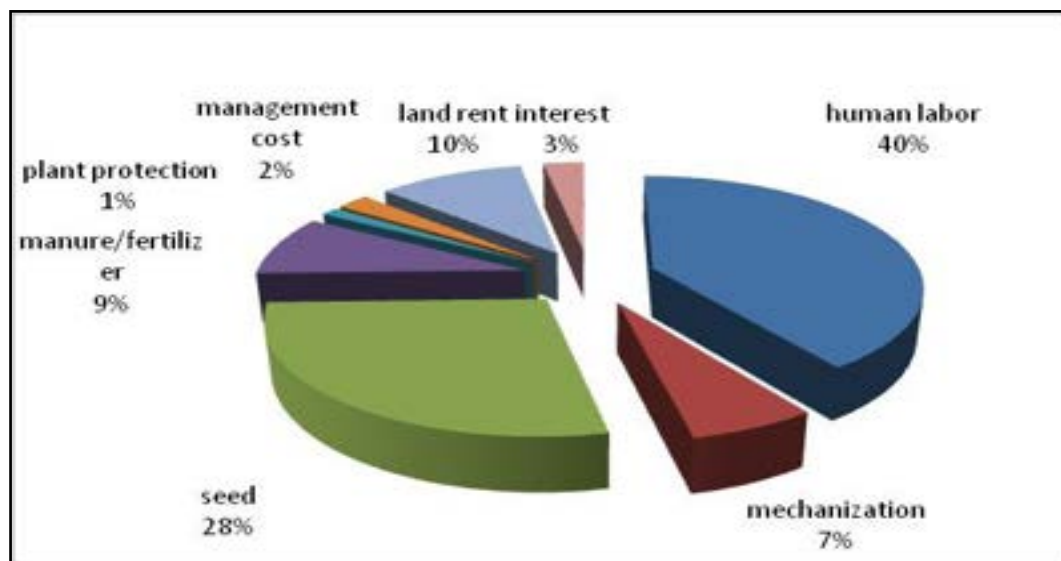
Groundnut is another popular oil seed crops as per its production that is cultivated in dry and marginal lands amongst all the oil seed crops. It is cultivated far and wide in Terai districts. The survey was carried out in 3 Terai districts with improved varieties taking an account of the main season crop.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Sesame in some Terai Districts is presented in the table no 11 below:

Table 11 Yield, Returns, Costs and Net Profit of Improved Mainseason Groundnut of Some Districts:

Districts	Yield	Total Cost	Value of Main Product		Gross Income Farmgate	Costs	Net Profits		Benefit Cost
			Farmgate	Market			Farmgate	Market	
	Kg/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Qt	Rs/Ha	Rs/Ha	Ratio/ Ha
Kapilwastu	1842.00	126483.32	184200.00	172227.00	184200.00	6866.63	57716.68	45522.64	1.46
Dang	2050.00	145570.00	194750.00	182962.50	194750.00	7100.98	49180.00	37146.50	1.34
Banke	1765.00	119184.63	158850.00	150025.00	158850.00	6752.67	39665.38	30628.58	1.33
Average	1885.67	130412.65	179266.67	168404.83	179266.67	6906.76	48854.02	37765.91	1.38

Chart : 2.d. Cost component of Improved Mainseason Groundnut of some districts.



Above figures show the item break down of the cost component on improved Mainseason Groundnut cultivation of some Teri and Hill districts. 40% cost covered by human labor, where as 7% cost covered by the machinery use. Similarly manure and fertilizers covered 9% cost, seeds covered 28% cost, plant protection covered 1% cost, management covered 2% cost, land rent covered 10% cost and 4% interest cost among on all variable cost.

6.3 Spices Crops

Despite of the fact, there are plenty of Spices crops that are grown commercially all over the nation, it was impossible to cover up all the crops for the study. Some of the spices crops like onion and garlic are also consumed as vegetables. However, a modest attempt had been made to cover up Spices Crops such as chilly, onion, garlic, ginger, turmeric and cardamom. Chilly, onion and garlic are seasonal crops however ginger; turmeric annual and cardamom are perennial crops. The cultivation practice and its production system differ some yielding only main products and some with byproduct as well. Altogether 37 sample frequency districts have been covered up in different conditions like main season, off season, tunnel, winter and summer crops and so on.

6.3.1 Chilli

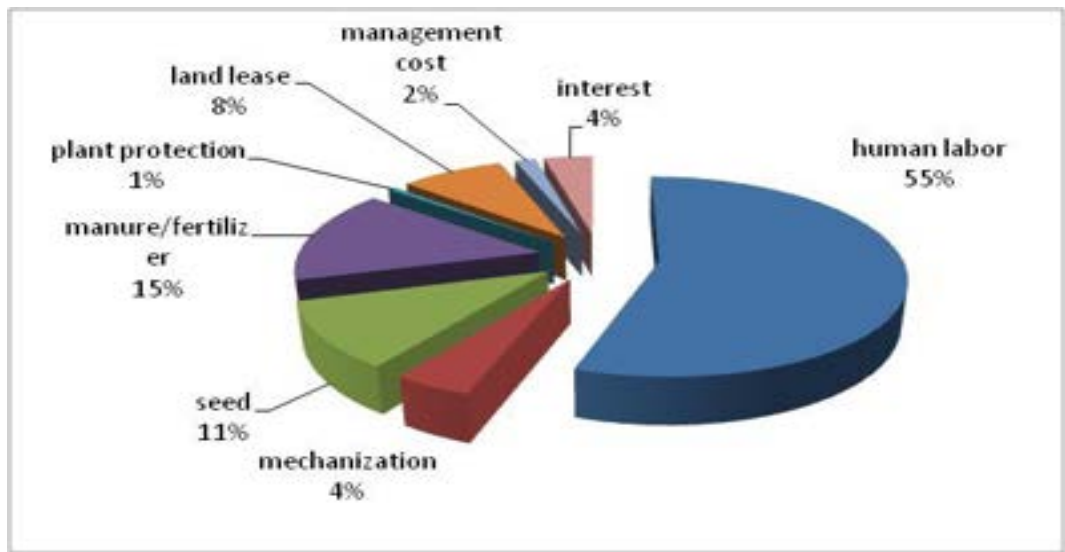
Chilli is one of the main spices crops. It is marketed fresh and in dried forms. It is cultivated in larger areas of land along with small patches in accordance to the need. The larger cultivation is done for the commercial purposes and study has accounted such larger pockets and the yield has been considered in dried form. The survey was carried out in 3 Terai and 4 Hill districts with improved varieties taking an account of the main season crop.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Main Season Chilly in some Terai and Hill Districts is presented in the table no 12 below:

Table 12 Yield, Returns, Costs and Net Profit of Improved Mainseason Chilly of Some Districts:

Districts	Yield	Total Cost	Value of Main Product		Gross Income Farmgate	Costs	Net Profits		Benefit Cost
			Farmgate	Market			Farmgate	Market	
	Kg/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Qt	Rs/Ha	Rs/Ha	Ratio/Ha
Kanchanpur	2324.00	161210.40	406700.00	419482.00	406700.00	6936.76	245489.60	257992.72	2.52
Chitwan	2360.00	176183.35	424800.00	425980.00	424800.00	7465.40	248616.65	249513.45	2.41
Dhankuta	2016.00	127199.68	346752.00	344736.00	346752.00	6309.51	219552.33	217294.41	2.73
Sunsari	2210.00	157633.13	375700.00	377910.00	375700.00	7132.72	218066.88	220011.68	2.38
Dhadhing	2085.00	136145.90	364875.00	366438.75	364875.00	6529.78	228729.10	230042.65	2.68
Udayapur	2015.00	127045.38	342550.00	363707.50	342550.00	6304.98	215504.63	236420.33	2.70
Arghakhachi	1986.00	120591.68	341592.00	350926.20	341592.00	6072.09	221000.33	230096.21	2.83
Average	2142.29	143715.64	371852.71	378454.35	371852.71	6678.75	228137.07	234481.63	2.61

Chart : 3.a. Cost component of Improved Mainseason Chilly of some districts,



Above figures show the item break down of the cost component on improved Mainseason Chilly cultivation of some Terai and Hill districts. 55% cost covered by human labor, where as 4% cost covered by the machinery use. Similarly manure and fertilizers covered 15% cost, seeds covered 11% cost, plant protection covered 1% cost, management covered 8% cost, land rent covered 2% cost and 4% interest cost among on all variable cost.

6.3.2 Onion

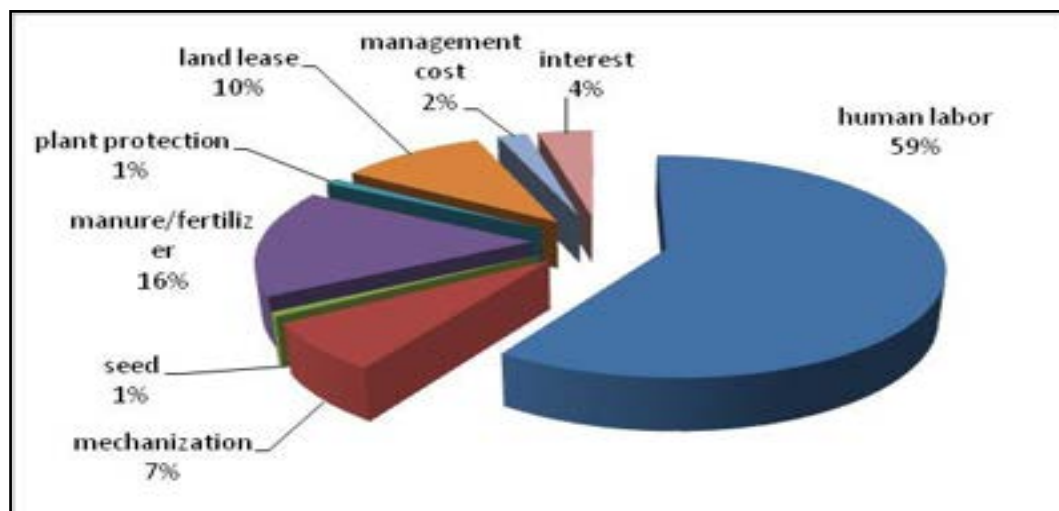
Onion is also one of the main spices however is considered as vegetable crop as well. It is marketed fresh in green leafy and in dried bulbous forms. It is cultivated in larger areas of land along with small patches in accordance to the need of the farmers. The larger cultivation is done for the commercial purposes and study has accounted such larger pockets and the yield has been considered in dried bulbous form. The survey was carried out in 4 Terai and 2 Hill districts with improved varieties taking an account of the main season crop.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Main Season Onion in some Terai and Hill Districts is presented in the table no 13 below:

Table 13 Yield, Returns, Costs and Net Profit of Improved Mainseason Onion of Some Districts:

Districts	Yield Kg/Ha	Total Cost Rs/Ha	Value of Main Product		Gross Income Farmgate Rs/Ha	Costs Rs/Qt	Net Profits		Benefit Cost Ratio/Ha
			Farmgate	Market			Farmgate	Market	
			Rs/Ha	Rs/Ha			Rs/Ha	Rs/Ha	
Bara	12820.00	121124.20	285245.00	310564.50	292155.00	890.91	171030.80	193145.30	2.41
Salyan	12655.00	105116.80	277144.50	297550.69	282837.00	785.65	177720.20	194962.64	2.69
Kapilwastu	12755.00	117887.20	283798.75	304142.98	289217.50	881.76	171330.30	188485.78	2.45
Saptari	12755.00	122708.20	283798.75	304142.98	289217.50	919.56	166509.30	183664.78	2.36
Sindhuli	12110.00	122976.60	284585.00	299117.00	289829.00	972.19	166852.40	178356.90	2.36
Bardia	12655.00	117655.20	277144.50	297550.69	282837.00	884.73	165181.80	182424.24	2.40
Average	12625.00	117911.37	281952.75	302178.14	287682.17	889.13	169770.80	186839.94	2.45

Chart : 3.b. Cost component of Improved Mainseason Onion of some districts.



Above figures show the item break down of the cost component on improved Mainseason Onion cultivation of some Teri and Hill districts. 59% cost covered by human labor, where as 7% cost covered by the machinery use. Similarly manure and fertilizers covered 16% cost, seeds covered 1% cost, plant protection covered 1% cost, management covered 2% cost, land rent covered 10% cost and 4% interest cost among on all variable cost.

6.3.3 Garlic

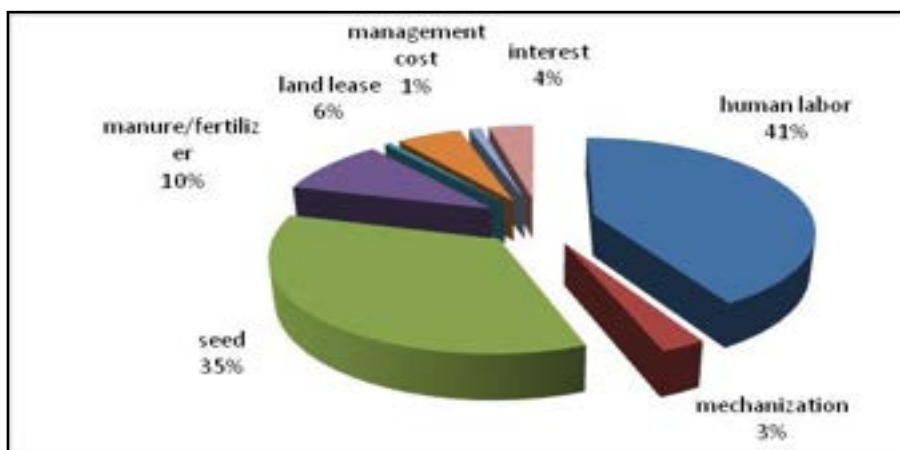
Garlic is one of the popular spices with strong aromatic and medicinal values though it is considered as vegetable crop. It is marketed fresh in green leafy and in dried bulbous forms. It is cultivated in larger areas of land along with small patches in accordance to the need of the farmers. The larger cultivation is done for the commercial purposes and study has accounted such larger pockets and the yield has been considered in dried bulbous form. The survey was carried out in 5 Hill and 2 Terai districts with improved varieties taking an account of the main season crop.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Main Season Garlic in some Terai and Hill Districts is presented in the table no 14 below:

Table 14 Yield, Returns, Costs and Net Profit of Improved Mainseason Garlic of Some Districts:

Districts	Yield Kg/Ha	Total Cost Rs/Ha	Value of Main Product		Gross Income Farmgate Rs/Ha	Costs Rs/Qt	Net Profits		Benefit Cost Ratio/Ha
			Farmgate Rs/Ha	Market Rs/Ha			Farmgate Rs/Ha	Market Rs/Ha	
Bhojapur	6220.00	239670.40	498844.00	522119.24	501816.00	3805.44	262145.60	283865.84	2.09
Argakhachi	6205.00	252949.00	510051.00	532649.61	513023.00	4028.64	260074.00	281121.36	2.03
Doti	6180.00	249624.20	519120.00	540132.00	522170.00	3989.87	272545.80	292012.80	2.09
Salyan	6555.00	243644.80	557175.00	579134.25	560350.00	3668.49	316705.20	337025.70	2.30
Surkhet	6220.00	248775.40	511284.00	545696.15	514256.00	3951.82	265480.60	298337.75	2.07
Rautahat	6685.00	258132.80	482657.00	509647.69	484053.00	3840.49	225920.20	251239.64	1.88
Nawalparasi	6980.00	255549.20	506050.00	508929.25	507446.00	3641.16	251896.80	253031.05	1.99
Average	6435.00	249763.69	512168.71	534044.03	514730.57	3846.56	264966.89	285233.45	2.06

Chart : 3.c. Cost component of Improved Mainseason Garlic of some districts,



Above figures show the item break down of the cost component on improved Mainseason Garlic cultivation of some Teri and Hill districts. 41% cost covered by human labor, where as 3% cost covered by the machinery use. Similarly manure and fertilizers covered 10% cost, seeds covered 35% cost, plant protection covered no cost, management covered 1% cost, land rent covered 6% cost and 4% interest cost among on all variable cost.

6.3.4 Ginger

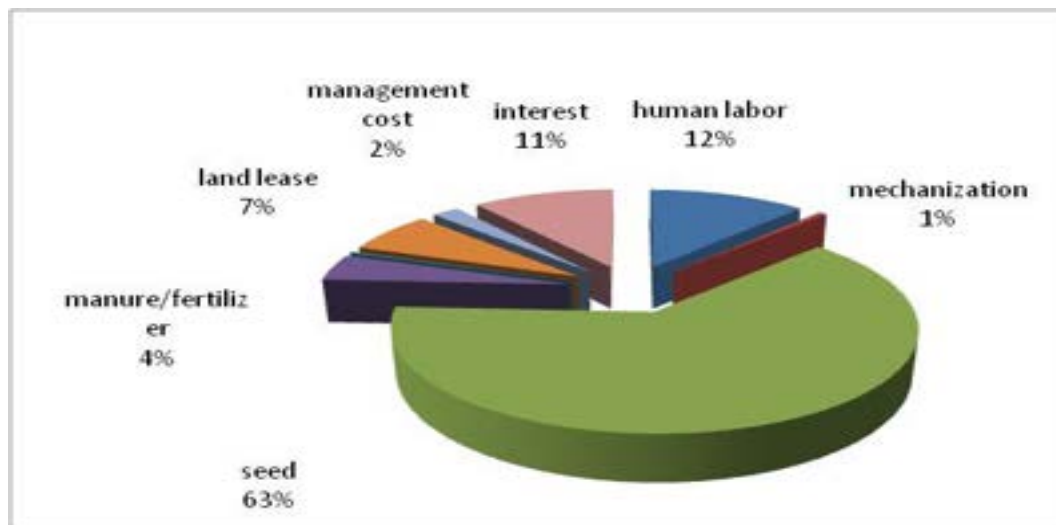
Ginger is one of the popular spices that imparts high flavor and has medicinal values. It's rhizomes are marketed fresh and dried forms. It is also cultivated in larger areas of land along with small patches in accordance to the need of the farmers. The larger cultivation is done for the commercial purposes and study has accounted such larger pockets and the yield has been considered in fresh forms. It is one of the most important crop that is been exported from Nepal in high quantities. The yield of the crop can be harvested in three phases with fresh, bruni and seed purposes. The market price varies as per the product. The crop stands for almost 8 to 9 months in the field thus the survey was carried out in 7 Hill districts and 1 Terai districts with improved varieties taking an account of the main season crop and the variable costs has been accounted for 9 months rather than tanking an account of the seasonal crops for 3 months.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Main Season Ginger in some Hill Districts is presented in the table no 15 below:

Table 15 Yield, Returns, Costs and Net Profit of Improved Mainseason Ginger of Some Districts:

Districts	Yield Kg/Ha	Total Cost Rs/Ha	Value of Main Product		Gross Income Farmgate Rs/Ha	Costs Rs/Qt	Net Profits		Benefit Cost Ratio/Ha
			Farmgate	Market			Farmgate	Market	
			Rs/Ha	Rs/Ha			Rs/Ha	Rs/Ha	
Trahathum	23168.00	710060.00	1036870.00	1760768.00	1036870.00	3064.83	326810.00	1044916.00	1.46
Palpa	23130.00	712336.40	1152560.00	1977615.00	1152560.00	3079.71	440223.60	1259496.10	1.62
Pyuthan	23060.00	729538.80	1064200.00	1971630.00	1064200.00	3163.65	334661.20	1236326.20	1.46
Khotang	23168.00	723616.20	1220802.00	1980864.00	1220802.00	3123.34	497185.80	1251455.80	1.69
Doti	23190.00	817552.60	1318275.00	1872592.50	1318275.00	3525.45	500722.40	1049242.40	1.61
Kailai	23168.00	721465.80	1220802.00	1980864.00	1220802.00	3114.06	499336.20	1253606.20	1.69
Salyan	23315.00	707991.80	1325575.00	1993432.50	1325575.00	3036.64	617583.20	1279611.95	1.87
Dhankuta	23281.00	750095.52	1041950.00	1769356.00	1041950.00	3221.92	291854.48	1013440.23	1.39
Average	23185.00	734082.14	1172629.25	1913390.25	1172629.25	3166.20	438547.11	1173511.86	1.60

Chart : 3.d. Cost component of Improved Mainseason Ginger of some districts.



Above figures show the item break down of the cost component on improved Mainseason Ginger cultivation of some Teri and Hill districts. 12% cost covered by human labor, where as 1% cost covered by the machinery use. Similarly manure and fertilizers covered 4% cost, seeds covered 63% cost, plant protection covered no cost, management covered 2% cost, land rent covered 7% cost and 11% interest cost among on all variable cost.

6.3.5 Turmeric

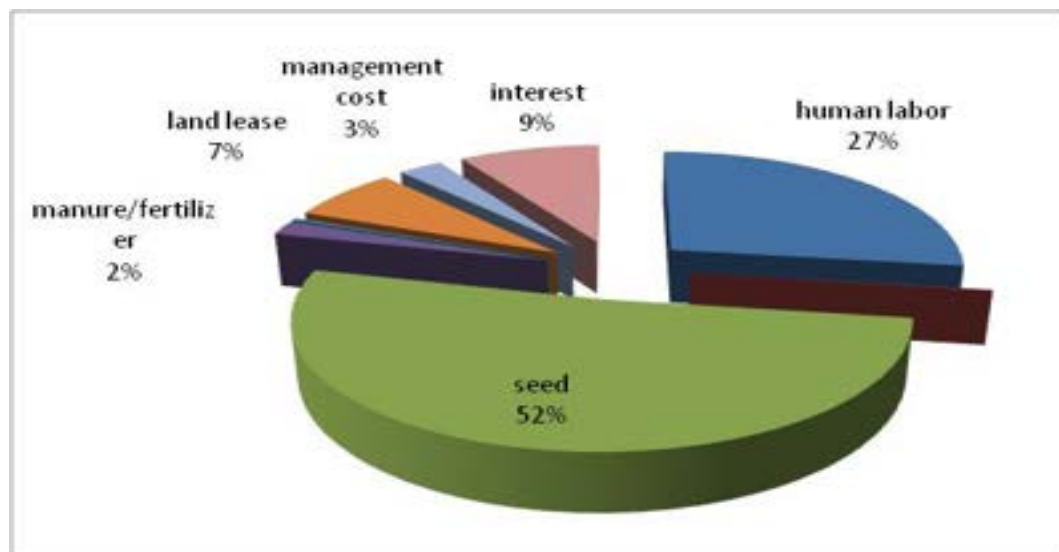
Ginger is one of the popular spices that imparts high color and has medicinal values. Its rhizomes are marketed fresh and dried forms. It is cultivated in larger areas of land along with small patches in accordance to the need of the farmers. The larger cultivation is done for the commercial purposes and study has accounted such larger pockets and the yield has been considered in dried forms. The market price varies as per the product color, size and weight. The crop stands for almost 8 to 9 months in the field thus the survey was carried out in 5 Hill districts with improved varieties taking an account of the main season crop and the variable costs has been accounted for 9 months rather than tanking an account of the seasonal crops for 3 months.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Main Season Turmeric in some Hill Districts is presented in the table no 16 below:

Table 16 Yield, Returns, Costs and Net Profit of Improved Mainseason Turmeric of Some Districts:

Districts	Yield Kg/Ha	Total Cost Rs/Ha	Value of Main Product		Gross Income Farmgate Rs/Ha	Costs Rs/Qt	Net Profits		Benefit Cost Ratio/Ha
			Farmgate	Market			Farmgate	Market	
			Rs/Ha	Rs/Ha			Rs/Ha	Rs/Ha	
Pyuthan	14950.00	200283.98	328900.00	347961.25	328900.00	1339.69	128616.02	143939.77	1.64
Gorkha	15450.00	195726.20	386250.00	396292.50	386250.00	1266.84	190523.80	196703.80	1.97
Khotang	15755.00	210119.45	378120.00	381664.88	378120.00	1333.67	168000.55	167606.68	1.80
Salyan	16155.00	205981.45	371565.00	391354.88	371565.00	1275.03	165583.55	181334.68	1.80
Doti	15250.00	212472.65	343125.00	354943.75	343125.00	1393.26	130652.35	138658.60	1.61
Average	15512.00	204916.75	361592.00	374443.45	361592.00	1321.70	156675.25	165648.70	1.77

Chart : 3.e. Cost component of Improved Mainseason Turmeric of some districts,



Above figures show the item break down of the cost component on improved Mainseason Turmeric cultivation of some Teri and Hill districts. 27% cost covered by human labor, where as no cost covered by the machinery use. Similarly manure and fertilizers covered 2% cost, seeds covered 52% cost, plant protection covered no cost, management covered 3% cost, land rent covered 7% cost and 9% interest cost on all variable cost.

6.3.6 Cardamom

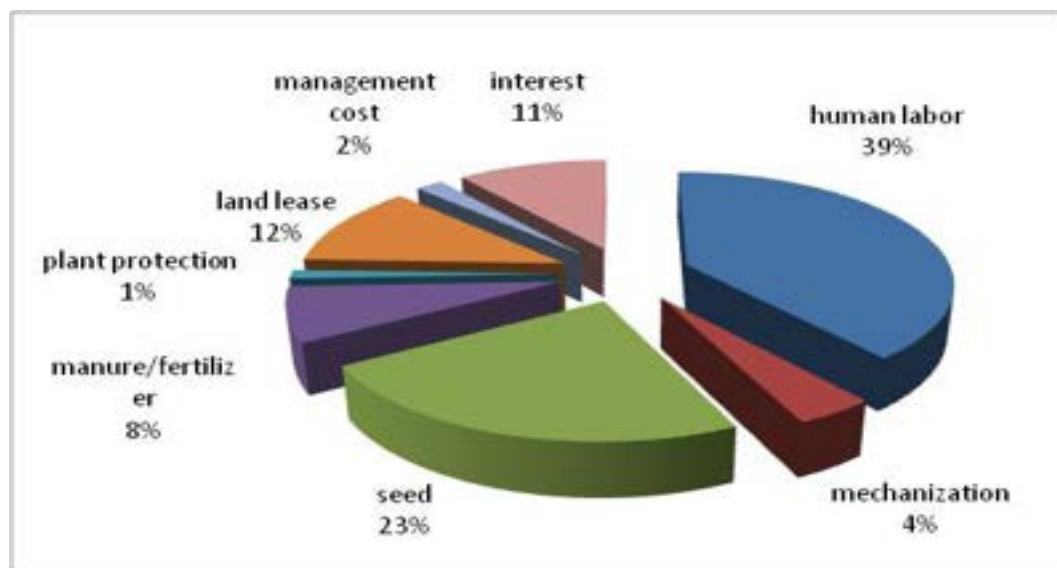
Cardamom is also the popular spices crops in high hills. The area and production of the crop is rising as it gives more benefits in the marginal lands. It is one of the crops that is exported in high quantities in Middle East countries and yields high returns as compared to the investments, however the waiting cost has to be considered as well. Its fruits are marketed fresh and dried forms. For the dried form, the fruit is cured by using the smoke kilns. It is cultivated in larger areas of land along with small patches in accordance with spatial and temporal. The larger cultivation is done for the commercial purposes and study has accounted such larger pockets and the yield has been considered in dried forms. The market price varies as per the product color, size, stickiness of the fruit and weight. The survey was carried out in 4 Hill districts with improved varieties taking an account of the main season crop and the variable costs has been accounted annually rather than tanking an account of the seasonal crops for 3 months. The cost has been segregated in 3 clusters. The first cluster is establishment year till 3rd year, the other cluster is 4th to 5th year where the productivity is low and the last cluster is 6th to 10th year where the crop yields the highest production. The crop can be harvested for 20 years however the study has only taken account till 10th year.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Main Season Cardamom in some Hill Districts is presented in the table no 17 below:

Table 17 Yield, Returns, Costs and Net Profit of Improved Mainseason Cardamom of Some Districts after 5 Years:

Districts	Yield	Total Cost	Value of Main Product		Gross Income Farmgate	Costs	Net Profits		Benefit Cost
			Farmgate	Market			Farmgate	Market	
	Kg/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Qt	Rs/Ha	Rs/Ha	Ratio/Ha
Sunkwasabha	650.00	245656.44	1541540.00	1537607.50	1541540.00	37793.30	1295883.56	1291873.06	6.28
Gorkha	640.00	250033.28	1479104.00	1513952.00	1479104.00	39067.70	1229070.72	1263841.92	5.92
Ilam	638.00	251031.60	1505361.00	1509220.90	1505361.00	39346.65	1254329.40	1258112.74	6.00
Lamjung	638.00	250898.85	1466762.00	1509220.90	1466762.00	39325.84	1215863.15	1258245.49	5.85
Average	641.50	249405.04	1498191.75	1517500.33	1498191.75	38883.37	1248786.71	1268018.30	6.01

Chart : 3.e. Cost component of Improved Mainseason Cardamom of some districts,



Above figures show the item break down of the cost component on improved Mainseason Cardamom cultivation of some Teri and Hill districts. 39% cost covered by human labor, whereas 4% cost covered by the machinery use. Similarly manure and fertilizers covered 8% cost, seeds covered 23% cost, plant protection covered 1% cost, management covered 2% cost, land rent covered 12% cost and 11% interest cost on all variable cost.

7. Tea

Tea is one of the popular drinks in South Asia. It is mainly grown in eastern part of the country however getting popular in high laying hill areas of the other parts of the county. The area and production of the crop is rising as it gives more benefits in the marginal lands. It is one of the crop that is exported in high quantities in other countries. It is the perennial tree however trimmed in shrub size making it more sprouts in the leafy forms. The tea leaves are plucked from the Falgun till Bhadra and processed in the factories and marketed in dried forms in various forms like CTC, Orthodox, Green, etc. The larger cultivation is done for the commercial purposes and study has accounted such larger pockets and the yield has been considered in dried forms. The market price varies as per the product quality of the leaves and processing. The survey was carried out in 2 Hill districts with improved varieties taking an account of the main season crop and the variable costs has been accounted

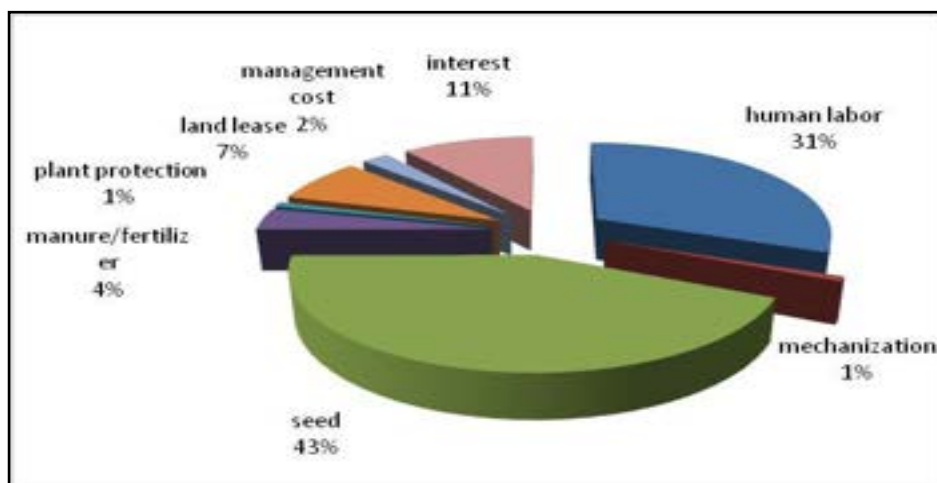
annually rather than taking an account of the seasonal crops for 3 months. The Ilam and Jhapa was selected for the Orthodox and Sindhupalchok was selected for Organic Green Tea. Both of the districts depicts different scenarios as the produce are different along with the investment costs and returns, however the average has been summed up in the summery below but it doesn't depict the average cost and returns. The cost has been segregated in 4 clusters. The first cluster is establishment year, other cluster is 3rd year where the production starts, another cluster is 4th to 5th year where the productivity is low and the last cluster is 6th to 15th year where the crop yields the highest production wise. The crop can be harvested for more than 30 years however the study has only taken account till 15th year.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Tea in some Hill Districts is presented in the table no 18 below:

Table 18 Average Yield, Returns, Costs and Net Profit of Improved Orthodox and CTC Tea Plantation of Some Districts after 6 Years:

Districts	Yield Kg/Ha	Total Cost Rs/Ha	Value of Main Product		Gross Income Farmgate Rs/Ha	Costs Rs/Qt	Net Profits		Benefit Cost Ratio/Ha
			Farmgate	Market			Farmgate	Market	
			Rs/Ha	Rs/Ha			Rs/Ha	Rs/Ha	
Jhapa	14040.00	172531.37	445945.50		445945.50	11.29	273414.13		2.58
Sindhupalchok	13800.00	151709.70	414414.00		414414.00	9.99	262704.30		2.73
Ilam	14040.00	169500.34	445945.50		445945.50	11.07	276445.16		2.63
Average	13960.00	164580.47	435435.00		435435.00	10.78	270854.53		2.65

Chart : 4.a. Cost component of Tea of some districts.



Above figures show the item break down of the cost component on improved Orthodox and CTC Tea Plantation cultivation of some Teri and Hill districts. 31% cost covered by human labor, where as 1% cost covered by the machinery use. Similarly manure and fertilizers covered 4% cost, seeds covered 43% cost, plant protection covered 1% cost, management covered 2% cost, land rent covered 7% cost and 11% interest cost on all variable cost.

8. Coffee

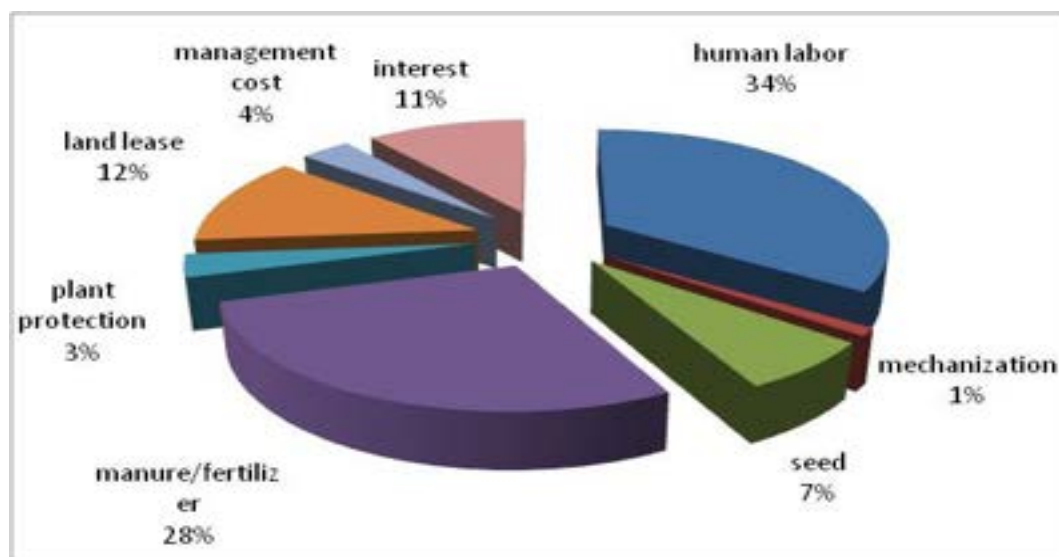
Coffee is one of the popular drinks in western world. It is grown in mid hill throughout the country and its area coverage is being bigger year by year. The area and production of the crop is rising as it gives more benefits in the marginal lands. It is one of the crops that are exported in high quantities in other countries. It is the perennial tree that yields cherries that are processed and dried. The cherries are plucked in the summer and processed in the factories and marketed in dried forms. The larger cultivation is done for the commercial purposes and study has accounted such larger pockets and the yield has been considered in fresh forms. The market price varies as per the product quality of the cherries and its sizes. The survey was carried out in 3 Hill districts with improved varieties taking an account of the main season crop and the variable costs has been accounted annually rather than taking an account of the seasonal crops for 3 months. Palpa and Syangja was selected for the inorganic category and Gulmi was selected for Organic. Both of the districts depicts different scenarios as the produce are different along with the investment costs and returns, however the average has been summed up in the summery below but it doesn't depict the average cost and returns. The cost has been segregated in 4 clusters. The first cluster is establishment year, other cluster is 2nd to 3rd year where the production starts, another cluster is 4th to 5th year where the productivity is low and the last cluster is 6th to 10th year where the crop yields the highest production wise. The crop can be harvested for more than 30 years however the study has only taken account till 10th year.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Coffee in some Hill Districts is presented in the table no 19 below:

Table 19 Average Yield, Returns, Costs and Net Profit of Improved Organic and Inorganic Coffee of Some Districts after 6 Years:

Districts	Yield	Total Cost	Value of Main Product		Gross Income Farmgate	Costs	Net Profits		Benefit Cost
			Farmgate	Market			Farmgate	Market	
	Kg/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Qt	Rs/Ha	Rs/Ha	Ratio/Ha
Palpa	3290.00	136683.33	251366.69		251366.69	40.55	114683.37		1.84
Syangja	3145.00	133782.11	247916.42		247916.42	41.54	114134.31		1.85
Gulmi	3245.00	130391.83	255799.29		255799.29	39.18	125407.46		1.96
Average	3226.67	133619.09	251694.14		251694.14	40.42	118075.05		1.88

Chart : 4.a. Cost component of Coffee of some districts,



Above figures show the item break down of the cost component on improved Organic and Inorganic Coffee Plantation cultivation of some Teri and Hill districts. 34% cost covered by human labor, whereas 1% cost covered by the machinery use. Similarly manure and fertilizers covered 28% cost, seeds covered 7% cost, plant protection covered 3% cost, management covered 4% cost, land rent covered 12% cost and 11% interest cost on all variable cost.

9. Bittle Nut

Bittle Nut or Catechu is one of the popular product and commercially grown in eastern Terai districts of Nepal. The area and production of the crop is rising as it gives more benefits in the marginal lands. It is one of the crops that are exported

in high quantities in other countries. It is the perennial tree yields fruits that are processed and dried. The fruits are plucked and processed in the factories and marketed in dried forms. The larger cultivation is done for the commercial purposes and study has accounted such larger pockets and the yield has been considered in fresh forms. The market price varies as per the product quality of the fruits and its sizes. The survey was carried out in only one Terai district with improved varieties taking an account of the main season crop and the variable costs has been accounted annually rather than tanking an account of the seasonal crop for 3 months. The Jhapa was selected for the crop due to its remarkable area coverage and production.

The cost has been segregated in 4 clusters. The first cluster is establishment year, other cluster is 2nd to 3rd year where the production starts, another cluster is 4th to 5th year where the productivity is low and the last cluster is 6th to 10th year where the crop yields the highest. The crop can be harvested for more than 20 years however the study has only taken account till 10th year.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Catechu in Jhapa district is presented in the table no 20 below:

Table 20 Average Yield, Returns, Costs and Net Profit of Improved Bettle Nut of Districts after 6 Years:

Districts	Yield	Total Cost	Value of Main Product		Gross Income Farmgate	Costs	Net Profits		Benefit Cost
			Farmgate	Market			Farmgate	Market	
	Kg/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Ha	Rs/Qt	Rs/Ha	Rs/Ha	Ratio/Ha
Jhapa	10500.00	118990.58	280145.25	573024.38	280145.25	33.50	161154.67	448783.80	2.35
Average	10500.00	118990.58	280145.25	573024.38	280145.25	33.50	161154.67	448783.80	2.35

10. Mushroom

There are numerous types of mushrooms that have been cultivated throughout the country. It is cultivated in controlled environment in sheds. The cultivation practice of the each fungus differs widely as well with the large disparities in cost of cultivation and returns from the crop. It was impossible to cover up all type of Mushrooms that has been cultivated and that can be found in farmers fields. The survey has considered only 2 types of Mushrooms ie. Agaricus (Gobre) and Pleurotus/Leninus (Kanye) is described below.

10.1 Agaricus (Gobre)

Agaricus (Gobre) mushroom is one of the popular fungi that is cultivated in the organic soil and compost bed. The medium is prepared in the controlled plastic sheds and is very popular amongst the farmers. The price of this cultivar is higher as compared to the later one. The study has taken account of the 3 hill districts and the standard size of the plastic shed has been considered as 20ft X 40 ft. As per the survey 3 tunnels can be considered in a Ropani i.e. 500 sq meters of land and the costs returns has only been calculated as per the tunnel or shed.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Agaricus (Gobre) mushroom in 3 Hill districts is presented in the table no 21 below:

Table 21 Average Yield, Returns, Costs and Net Profit of Agaricus (Gobre) Mushroom of Some Districts:

Districts	Yield	Total Cost	Value of Main Product		Gross Income Farmgate	Costs	Net Profits		Benefit Cost
			Farmgate	Market			Farmgate	Market	
	Kg/Shed	Rs/Shed	Rs/Shed	Rs/Shed	Rs/Shed	Rs/Qt	Rs/Shed	Rs/Shed	Ratio/Shed
Kathmandu	455.00	50253.60	81900.00	84288.75	82620.00	11044.75	32366.40	34527.65	1.64
Lalitpur	445.00	47493.12	80100.00	82436.25	80712.50	10672.61	33219.38	35333.13	1.70
Kavrepalanchok	425.00	39957.44	74375.00	76712.50	74892.50	9401.75	34935.06	37060.06	1.87
Average	441.67	45901.39	78791.67	81145.83	79408.33	10373.04	33506.95	35640.28	1.74

10.2 Pleurotus/Leninus (Kanye)

Pleurotus/Leninus (Kanye) mushroom is one of the popular fungus that is cultivated in the organic balls of the paddy and wheat straws. The medium is prepared in the controlled plastic sheds and is very popular amongst the farmers. The price of this cultivar is slightly lower however the productivity is higher as compared to the former one. The study has taken account of the 3 hill districts and the standard size of the plastic shed has been considered as 12ft X 20 ft. As per the survey 4 tunnels can be considered in a Ropani ie. 500 sq meters of land and the costs returns has only been calculated as per the tunnel or shed.

The yield, total costs, value of main product at farm gate, gross income at farm gate, cost per quintal, net profit at the farm levels and the benefit cost ratio per hectare of Pleurotus/Leninus (Kanye) mushroom in 3 Hill is presented in the table no 22 below:

Table 22 Average Yield, Returns, Costs and Net Profit of Pleurotus & Leninus (Kanye) Mushroom of Some Districts:

Districts	Yield	Total Cost	Value of Main Product		Gross Income Farmgate	Costs	Net Profits		Benefit Cost
			Farmgate	Market			Farmgate	Market	
	Kg/Shed	Rs/Shed	Rs/Shed	Rs/Shed	Rs/Shed	Rs/Qt	Rs/Shed	Rs/Shed	Ratio/Shed
Kathmandu	1880.00	58258.80	150400.00	169670.00	150400.00	3098.87	92141.20	113866.20	2.58
Lalitpur	1855.00	53803.20	148400.00	162127.00	148400.00	2900.44	94596.80	110433.80	2.76
Kavrepalanchok	1825.00	46065.40	131400.00	147368.75	131400.00	2524.13	85334.60	103353.35	2.85
Average	1853.33	52709.13	143400.00	159721.92	143400.00	2841.15	90690.87	109217.78	2.73

11. Recommendations

The major findings of the study have initiated to forward some points as recommendation mainly with the view of profit maximization and lowering the cost of cultivation with sustainable agricultural sector through respective crop directorates and marketing directorates under the Department of Agriculture and other stakeholders of agriculture extension.

- Increase profit margins by reducing production costs.
- Decrease production costs by increasing appropriate farm mechanization activities.
- Enhance human labor capacity by trainings to improve working efficiency.
- Adopt better crop production planning.
- Judicial use of factors of production function.
- Make easy availability of production input in time
- Use market price information so as to manage broader marketing opportunities.
- Increase in agriculture product quality and volume as per the market needs regularly.
- Determine the scale of production so as to increase the profit levels at nominal costs.
- Keep records of Production and Marketing Costs along with profit margins.
- Need to develop core competency of different layers of agriculture extension workers (extension, plant protection, horticulture, spices, oilseed crops, market facilitation, etc.)
- Train the farmer, extension workers & entrepreneur to upgrade their skill & knowledge as well as supports for different categories of value addition activities through appropriate policy frameworks.
- Provide Minimum Support Price facilities to motivate producers.

B. APPENDICES

Pulse Crops

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Rasuwa

Crop: Lentil
Variety: Kalo Musuro (Local)
Sowing Time: Magh/Falgun

Year: 2015/2016
Condition : Unirrigated/Main Season
Harvesting Time: Jestha/Asad

Particulars	Units	Quantity	Rs/Unit	Total
A. AVERAGE COST OF PRODUCTION				
1. Variable Cost	Rs.			71731.53
a. Human Labor	Days	72.43	399.29	28919.69
b. Bullock Labor	Days	6.00	682.14	4092.86
c. Power Tiller Use	Hours	3.29	564.29	1854.08
d. Pumpset Use	Hours	2.00	142.86	285.71
e. Sprayer Use	Hours	3.00	11.43	34.29
f. Seed	Kg.	64.57	117.14	7564.08
g. Manure	Kg.	8676.14	1.00	8676.14
h. Fertilizer		0.00	0.00	
Urea	Kg.	26.00	24.86	646.29
D.A.P	Kg.	31.00	51.00	1581.00
Potash	Kg.	19.29	36.29	699.80
i. Plant Protection Chemicals	Rs.			617.86
j. Management Cost	Rs.			2357.14
k. Land Rent	Rs.			11571.43
l. Interest on Variable Cost	Rs.			2831.16
2. Fixed Cost	Rs.			253.86
a. Land Tax	Rs.			48.57
b. Water Tax	Rs.			14.57
c. Repair and Maintenance	Rs.			93.71
d. Depreciation	Rs.			97.00
3. Total Costs	Rs.			71985.38
4. Gross Income at Farm Gate	Rs.			117264.18
a. Main Product	Kg.	1471.43	79.63	117167.76
b. By-Product	Kg.	96.43	1.00	96.43
5. Net Profit at Farm Gate	Rs.			45278.80
6. Production Cost Per Quintal	Rs.			4892.21
B. MARKETING AT NEAREST WHOLESALE MARKET				
a. Marketing Cost	Rs.			176.57
b. Value at Market	Kg.	1397.86	85.64	119716.48
c. Net Profit	Rs.			47650.95

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Sindhupalchok

Crop: Lentil
 Variety: Kalo Musuro (Local)
 Sowing Time: Magh/Falgun

Year: 2015/2016
 Condition : Unirrigated/Main Season
 Harvesting Time: Jetha/Asad

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			73290.88
a. Human Labor	Days	85	380.00	32300.00
b. Bullock Labor	Days	8	600.00	4800.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	78	145.00	11310.00
g. Manure	Kg.	8764	1.00	8764.00
h. Fertilizer				
Urea	Kg.	42	25.00	1050.00
D.A.P	Kg.	26	53.00	1378.00
Potash	Kg.	10	37.00	370.00
i. Plant Protection Chemicals	Rs.			0.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			2818.88
<u>2. Fixed Cost</u>	<u>Rs.</u>			228.00
a. Land Tax	Rs.			46.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			89.00
d. Depreciation	Rs.			93.00
<u>3. Total Costs</u>	<u>Rs.</u>			73518.88
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			124835.00
a. Main Product	Kg.	1485	84.00	124740.00
b. By-Product	Kg.	95	1.00	95.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			51316.12
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			4950.77
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			178.20
<u>b. Value at Market</u>	<u>Kg.</u>	1410.75	93.00	131199.75
<u>c. Net Profit</u>	<u>Rs.</u>			57597.67

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Sindhuli

Crop: Lentil
 Variety: Kalo Musuro (Local)
 Sowing Time: Magh/Falgun

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Jestha/Asad

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			74943.44
a. Human Labor	Days	84	415.00	34860.00
b. Bullock Labor	Days	8	600.00	4800.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	72	145.00	10440.00
g. Manure	Kg.	8864	1.00	8864.00
h. Fertilizer				
Urea	Kg.	35	25.00	875.00
D.A.P	Kg.	26	52.00	1352.00
Potash	Kg.	10	37.00	370.00
i. Plant Protection Chemicals	Rs.			0.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			2882.44
<u>2. Fixed Cost</u>	<u>Rs.</u>			241.00
a. Land Tax	Rs.			46.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			99.00
<u>3. Total Costs</u>	<u>Rs.</u>			75184.44
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			126019.00
a. Main Product	Kg.	1560	80.70	125892.00
b. By-Product	Kg.	127	1.00	127.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			50834.56
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			4819.52
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			187.20
<u>b. Value at Market</u>	<u>Kg.</u>	1482	86.00	127452.00
<u>c. Net Profit</u>	<u>Rs.</u>			52207.36

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Banke

Crop: Lentil

Variety: Shikhar

Sowing Time: Kartik/Mangsir

Year: 2015/2016

Condition : Unirrigated/Main Season

Harvesting Time: Magh/Falgun

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			74781.20
a. Human Labor	Days	62	425.00	26350.00
b. Bullock Labor	Days	5	725.00	3625.00
c. Tractor Use	Hours	6	1100.00	6600.00
d. Pumpset Use	Hours	2	250.00	500.00
e. Sprayer Use	Hours	6	20.00	120.00
f. Seed	Kg.	55	100.00	5500.00
g. Manure	Kg.	8255	1.00	8255.00
h. Fertilizer				
Urea	Kg.	20	25.00	500.00
D.A.P	Kg.	35	50.00	1750.00
Potash	Kg.	30	36.00	1080.00
i. Plant Protection Chemicals	Rs.			1125.00
j. Management Cost	Rs.			3000.00
l. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2876.20
<u>2. Fixed Cost</u>	<u>Rs.</u>			259.00
a. Land Tax	Rs.			48.00
b. Water Tax	Rs.			20.00
c. Repair and Maintenance	Rs.			92.00
d. Depreciation	Rs.			99.00
<u>3. Total Costs</u>	<u>Rs.</u>			75040.20
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			111949.00
a. Main Product	Kg.	1395	80.20	111879.00
b. By-Product	Kg.	70	1.00	70.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			36908.80
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5379.23
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			167.40
<u>b. Value at Market</u>	<u>Kg.</u>	1325.25	86.50	114634.13
<u>c. Net Profit</u>	<u>Rs.</u>			39496.53

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Kapilwastu

Crop: Lentil

Variety: Shikhar

Sowing Time: Kartik/Mangsir

Year: 2015/2016

Condition : Unirrigated/Main Season

Harvesting Time: Magh/Falgun

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			70688.80
a. Human Labor	Days	66	375.00	24750.00
b. Bullock Labor	Days	4	675.00	2700.00
c. Tractor Use	Hours	5	950.00	4750.00
d. Pumpset Use	Hours	4	250.00	1000.00
e. Sprayer Use	Hours	5	20.00	100.00
f. Seed	Kg.	57	95.00	5415.00
g. Manure	Kg.	8380	1.00	8380.00
h. Fertilizer				
Urea	Kg.	15	25.00	375.00
D.A.P	Kg.	40	50.00	2000.00
Potash	Kg.	25	36.00	900.00
i. Plant Protection Chemicals	Rs.			1100.00
j. Management Cost	Rs.			3000.00
l. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2718.80
<u>2. Fixed Cost</u>	<u>Rs.</u>			271.00
a. Land Tax	Rs.			54.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			93.00
d. Depreciation	Rs.			99.00
<u>3. Total Costs</u>	<u>Rs.</u>			70959.80
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			107651.00
a. Main Product	Kg.	1420	75.75	107565.00
b. By-Product	Kg.	86	1.00	86.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			36691.20
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			4997.17
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			170.40
<u>b. Value at Market</u>	<u>Kg.</u>	1349	81.25	109606.25
<u>c. Net Profit</u>	<u>Rs.</u>			38562.05

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Dang

Crop: Lentil
Variety: Shikhar
Sowing Time: Kartik/Mangsir

Year: 2015/2016
Condition : Unrrigated/Main Season
Harvesting Time: Magh/Falgun

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			69196.40
a. Human Labor	Days	62	375.00	23250.00
b. Bullock Labor	Days	5	675.00	3375.00
c. Tractor Use	Hours	5	950.00	4750.00
d. Pumpset Use	Hours	4	250.00	1000.00
e. Sprayer Use	Hours	5	20.00	100.00
f. Seed	Kg.	56	95.00	5320.00
g. Manure	Kg.	8380	1.00	8380.00
h. Fertilizer				
Urea	Kg.	15	24.00	360.00
D.A.P	Kg.	30	50.00	1500.00
Potash	Kg.	25	36.00	900.00
i. Plant Protection Chemicals	Rs.			1100.00
j. Management Cost	Rs.			3000.00
l. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2661.40
<u>2. Fixed Cost</u>	<u>Rs.</u>			266.00
a. Land Tax	Rs.			48.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			98.00
d. Depreciation	Rs.			95.00
<u>3. Total Costs</u>	<u>Rs.</u>			69462.40
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			106897.50
a. Main Product	Kg.	1410	75.75	106807.50
b. By-Product	Kg.	90	1.00	90.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			37435.10
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			4926.41
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			169.20
<u>b. Value at Market</u>	<u>Kg.</u>	1339.5	80.75	108164.63
<u>c. Net Profit</u>	<u>Rs.</u>			38623.03

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Sunsari

Crop: Lentil

Variety: Simal

Sowing Time: Kartik/Mangsir

Year: 2015/2016

Condition : Unirrigated/Main Season

Harvesting Time: Magh/Falgun

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			70137.60
a. Human Labor	Days	60	400.00	24000.00
b. Bullock Labor	Days	2	750.00	1500.00
c. Tractor Use	Hours	7	950.00	6650.00
d. Pumpset Use	Hours	4	250.00	1000.00
e. Sprayer Use	Hours	5	20.00	100.00
f. Seed	Kg.	54	100.00	5400.00
g. Manure	Kg.	8290	1.00	8290.00
h. Fertilizer				
Urea	Kg.	15	25.00	375.00
D.A.P	Kg.	35	50.00	1750.00
Potash	Kg.	25	35.00	875.00
i. Plant Protection Chemicals	Rs.			1000.00
j. Management Cost	Rs.			3000.00
l. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2697.60
<u>2. Fixed Cost</u>	<u>Rs.</u>			275.00
a. Land Tax	Rs.			49.00
b. Water Tax	Rs.			32.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			98.00
<u>3. Total Costs</u>	<u>Rs.</u>			70412.60
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			109912.00
a. Main Product	Kg.	1445	76.00	109820.00
b. By-Product	Kg.	92	1.00	92.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			39499.40
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			4872.84
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			173.40
<u>b. Value at Market</u>	<u>Kg.</u>	1372.75	81.00	111192.75
<u>c. Net Profit</u>	<u>Rs.</u>			40698.75

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Rupandehi

Crop: Pigeon Pea
 Variety: Bageshowari
 Sowing Time: Sharawan/Bhadra

Year: 2015/2016
 Condition : Unirrigated/Main Season
 Harvesting Time: Poush/Magh

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			68465.28
a. Human Labor	Days	62	400.00	24800.00
b. Bullock Labor	Days	0	0.00	0.00
c. Tractor Use	Hours	7	1000.00	7000.00
d. Pumpset Use	Hours	10	275.00	2750.00
e. Sprayer Use	Hours	6	20.00	120.00
f. Seed	Kg.	16	122.00	1952.00
g. Manure	Kg.	8560	1.00	8560.00
h. Fertilizer				
Urea	Kg.	30	25.00	750.00
D.A.P	Kg.	35	50.00	1750.00
Potash	Kg.	20	35.00	700.00
i. Plant Protection Chemicals	Rs.			950.00
j. Management Cost	Rs.			3000.00
l. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2633.28
<u>2. Fixed Cost</u>	<u>Rs.</u>			267.00
a. Land Tax	Rs.			48.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			98.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			68732.28
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			100970.00
a. Main Product	Kg.	1275	78.00	99450.00
b. By-Product	Kg.	1520	1.00	1520.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			32237.72
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5390.77
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			153.00
<u>b. Value at Market</u>	<u>Kg.</u>	1211.3	92.00	111435.00
<u>c. Net Profit</u>	<u>Rs.</u>			44069.72

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Bara

Crop: Pigeon Pea

Year: 2015/2016

Variety: Bageshowari

Condition : Unirrigated/Main Season

Sowing Time: Sharawan/Bhadra

Harvesting Time: Poush/Magh

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			70694.00
a. Human Labor	Days	65	375.00	24375.00
b. Bullock Labor	Days	0	0.00	0.00
c. Tractor Use	Hours	6	1000.00	6000.00
d. Pumpset Use	Hours	8	275.00	2200.00
e. Sprayer Use	Hours	5	20.00	100.00
f. Seed	Kg.	15	125.00	1875.00
g. Manure	Kg.	8220	1.50	12330.00
h. Fertilizer				
Urea	Kg.	35	25.00	875.00
D.A.P	Kg.	40	50.00	2000.00
Potash	Kg.	20	36.00	720.00
i. Plant Protection Chemicals	Rs.			1000.00
j. Management Cost	Rs.			3000.00
l. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2719.00
<u>2. Fixed Cost</u>	<u>Rs.</u>			271.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			95.00
<u>3. Total Costs</u>	<u>Rs.</u>			70965.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			103906.25
a. Main Product	Kg.	1275	80.00	102000.00
b. By-Product	Kg.	1525	1.25	1906.25
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			32941.25
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5565.88
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			153.00
<u>b. Value at Market</u>	<u>Kg.</u>	1211.25	95.00	115068.75
<u>c. Net Profit</u>	<u>Rs.</u>			45857.00

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Chitwan

Crop: Pigeon Pea
 Variety: Rampur-1
 Sowing Time: Sharawan/Bhadra

Year: 2015/2016
 Condition : Unirrigated/Main Season
 Harvesting Time: Poush/Magh

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			66911.00
a. Human Labor	Days	76	450.00	34200.00
b. Bullock Labor	Days	0	0.00	0.00
c. Tractor Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	10	200.00	2000.00
e. Sprayer Use	Hours	5	20.00	100.00
f. Seed	Kg.	12	125.00	1500.00
g. Manure	Kg.	5255	1.50	7882.50
h. Fertilizer				
Urea	Kg.	0	0.00	0.00
D.A.P	Kg.	25	51.00	1275.00
Potash	Kg.	10	38.00	380.00
i. Plant Protection Chemicals	Rs.			500.00
j. Management Cost	Rs.			3000.00
l. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2573.50
<u>2. Fixed Cost</u>	<u>Rs.</u>			283.00
a. Land Tax	Rs.			58.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			95.00
d. Depreciation	Rs.			105.00
<u>3. Total Costs</u>	<u>Rs.</u>			67194.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			101536.25
a. Main Product	Kg.	1230	81.00	99630.00
b. By-Product	Kg.	1525	1.25	1906.25
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			34342.25
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5462.93
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			147.60
<u>b. Value at Market</u>	<u>Kg.</u>	1168.5	94.00	109839.00
<u>c. Net Profit</u>	<u>Rs.</u>			44403.65

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Rautahat

Crop: Pigeon Pea
 Variety: Bageshowari
 Sowing Time: Sharawan/Bhadra

Year: 2015/2016
 Condition : Unirrigated/Main Season
 Harvesting Time: Poush/Magh

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			64584.78
a. Human Labor	Days	78	400.00	31200.00
b. Bullock Labor	Days	0	0.00	0.00
c. Tractor Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	9	275.00	2475.00
e. Sprayer Use	Hours	4	20.00	80.00
f. Seed	Kg.	15	120.00	1800.00
g. Manure	Kg.	6255	1.25	7818.75
h. Fertilizer				
Urea	Kg.	20	24.00	480.00
D.A.P	Kg.	22	51.00	1122.00
Potash	Kg.	5	35.00	175.00
i. Plant Protection Chemicals	Rs.			450.00
j. Management Cost	Rs.			3000.00
l. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2484.03
<u>2. Fixed Cost</u>	<u>Rs.</u>			245.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			94.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			64829.78
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			90645.00
a. Main Product	Kg.	1170	76.00	88920.00
b. By-Product	Kg.	1380	1.25	1725.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			25815.22
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5541.01
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			140.40
<u>b. Value at Market</u>	<u>Kg.</u>	1111.5	88.00	97812.00
<u>c. Net Profit</u>	<u>Rs.</u>			34566.82

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Udaypur

Crop: Pigeon Pea
Variety: Bageshowari
Sowing Time: Sharawan/Bhadra

Year: 2015/2016
Condition : Unirrigated/Main Season
Harvesting Time: Poush/Magh

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			56886.70
a. Human Labor	Days	70	425.00	29750.00
b. Bullock Labor	Days	0	0.00	0.00
c. Tractor Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	9	250.00	2250.00
e. Sprayer Use	Hours	4	20.00	80.00
f. Seed	Kg.	15	120.00	1800.00
g. Manure	Kg.	6255	1.25	7818.75
h. Fertilizer				
Urea	Kg.	25	25.00	625.00
D.A.P	Kg.	25	50.00	1250.00
Potash	Kg.	5	35.00	175.00
i. Plant Protection Chemicals	Rs.			450.00
j. Management Cost	Rs.			1500.00
l. Land Rent	Rs.			9000.00
k. Interest on Variable Cost	Rs.			2187.95
<u>2. Fixed Cost</u>	<u>Rs.</u>			240.00
a. Land Tax	Rs.			46.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			98.00
<u>3. Total Costs</u>	<u>Rs.</u>			57126.70
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			93810.00
a. Main Product	Kg.	1210	76.00	91960.00
b. By-Product	Kg.	1480	1.25	1850.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			36683.30
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			4721.21
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			145.20
<u>b. Value at Market</u>	<u>Kg.</u>	1149.5	88.00	101156.00
<u>c. Net Profit</u>	<u>Rs.</u>			45734.10

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Sunsari

Crop: Pigeon Pea

Year: 2015/2016

Variety: Bageshwari

Condition : Unirrigated/Main Season

Sowing Time: Sharawan/BhadraHarvesting

Time: Poush/Magh

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			60070.40
a. Human Labor	Days	75	400.00	30000.00
b. Bullock Labor	Days	0	0.00	0.00
c. Tractor Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	9	250.00	2250.00
e. Sprayer Use	Hours	4	20.00	80.00
f. Seed	Kg.	15	120.00	1800.00
g. Manure	Kg.	5055	1.00	5055.00
h. Fertilizer				
Urea	Kg.	15	25.00	375.00
D.A.P	Kg.	25	50.00	1250.00
Potash	Kg.	0	0.00	0.00
i. Plant Protection Chemicals	Rs.			450.00
j. Management Cost	Rs.			3000.00
l. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2310.40
<u>2. Fixed Cost</u>	<u>Rs.</u>			282.00
a. Land Tax	Rs.			56.00
b. Water Tax	Rs.			32.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			98.00
<u>3. Total Costs</u>	<u>Rs.</u>			60352.40
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			90975.00
a. Main Product	Kg.	1190	75.00	89250.00
b. By-Product	Kg.	1380	1.25	1725.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			30622.60
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5071.63
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			142.80
<u>b. Value at Market</u>	<u>Kg.</u>	1130.5	85.00	96092.50
<u>c. Net Profit</u>	<u>Rs.</u>			37322.30

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Mohatari

Crop: Black Gram
 Variety: Kalu
 Sowing Time: Ashad/Shrawan

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			71032.00
a. Human Labor	Days	95	380.00	36100.00
b. Bullock Labor	Days	11	700.00	7700.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	40	55.00	2200.00
g. Manure	Kg.	5550	1.00	5550.00
h. Fertilizer				
Urea	Kg.	0	0.00	0.00
D.A.P	Kg.	0	0.00	0.00
Potash	Kg.	0	0.00	0.00
i. Plant Protection Chemicals	Rs.			250.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
l. Interest on Variable Cost	Rs.			2732.00
<u>2. Fixed Cost</u>	<u>Rs.</u>			243.00
a. Land Tax	Rs.			56.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			92.00
d. Depreciation	Rs.			95.00
<u>3. Total Costs</u>	<u>Rs.</u>			71275.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			112750.00
a. Main Product	Kg.	1375	82.00	112750.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			41475.00
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5183.64
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			165.00
<u>b. Value at Market</u>	<u>Kg.</u>	1306.25	97.00	126706.25
<u>c. Net Profit</u>	<u>Rs.</u>			55266.25

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Tehrathum

Crop: Black Gram
 Variety: Kalu
 Sowing Time: Ashad/Shrawan

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			62964.20
a. Human Labor	Days	90	380.00	34200.00
b. Bullock Labor	Days	10	675.00	6750.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	38	60.00	2280.00
g. Manure	Kg.	5250	1.25	6562.50
h. Fertilizer				
Urea	Kg.	0	0.00	0.00
D.A.P	Kg.	0	0.00	0.00
Potash	Kg.	0	0.00	0.00
i. Plant Protection Chemicals	Rs.			250.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			2421.70
<u>2. Fixed Cost</u>	<u>Rs.</u>			224.00
a. Land Tax	Rs.			44.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			84.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			63188.20
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			104478.75
a. Main Product	Kg.	1255	83.25	104478.75
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			41290.55
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5034.92
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			150.60
<u>b. Value at Market</u>	<u>Kg.</u>	1192.25	89.15	106289.09
<u>c. Net Profit</u>	<u>Rs.</u>			42950.29

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Gorkha

Crop: Black Gram
 Variety: Kalu
 Sowing Time: Ashad/Shrawan

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			63835.20
a. Human Labor	Days	95	380.00	36100.00
b. Bullock Labor	Days	10	700.00	7000.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	38	60.00	2280.00
g. Manure	Kg.	5250	1.00	5250.00
h. Fertilizer				
Urea	Kg.	0	0.00	0.00
D.A.P	Kg.	0	0.00	0.00
Potash	Kg.	0	0.00	0.00
i. Plant Protection Chemicals	Rs.			250.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			2455.20
<u>2. Fixed Cost</u>	<u>Rs.</u>			227.00
a. Land Tax	Rs.			42.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			90.00
d. Depreciation	Rs.			95.00
<u>3. Total Costs</u>	<u>Rs.</u>			64062.20
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			107940.00
a. Main Product	Kg.	1285	84.00	107940.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			43877.80
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			4985.39
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			154.20
<u>b. Value at Market</u>	<u>Kg.</u>	1220.75	91.25	111393.44
<u>c. Net Profit</u>	<u>Rs.</u>			47177.04

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Achham

Crop: Black Gram
 Variety: Kalo Fusre
 Sowing Time: Ashad/Shrawan

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			58942.00
a. Human Labor	Days	93	375.00	34875.00
b. Bullock Labor	Days	6	550.00	3300.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	40	65.00	2600.00
g. Manure	Kg.	5220	1.00	5220.00
h. Fertilizer				
Urea	Kg.	0	0.00	0.00
D.A.P	Kg.	0	0.00	0.00
Potash	Kg.	0	0.00	0.00
i. Plant Protection Chemicals	Rs.			180.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			2267.00
<u>2. Fixed Cost</u>	<u>Rs.</u>			224.00
a. Land Tax	Rs.			52.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			78.00
d. Depreciation	Rs.			94.00
<u>3. Total Costs</u>	<u>Rs.</u>			59166.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			93322.00
a. Main Product	Kg.	1160	80.45	93322.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			34156.00
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5100.52
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			139.20
<u>b. Value at Market</u>	<u>Kg.</u>	1102	85.55	94276.10
<u>c. Net Profit</u>	<u>Rs.</u>			34970.90

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Taplejung

Crop: Black Gram
 Variety: Kalu
 Sowing Time: Ashad/Shrawan

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			64079.60
a. Human Labor	Days	98	380.00	37240.00
b. Bullock Labor	Days	7	675.00	4725.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	40	65.00	2600.00
g. Manure	Kg.	5120	1.25	6400.00
h. Fertilizer				
Urea	Kg.	0	0.00	0.00
D.A.P	Kg.	0	0.00	0.00
Potash	Kg.	0	0.00	0.00
i. Plant Protection Chemicals	Rs.			150.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			2464.60
<u>2. Fixed Cost</u>	<u>Rs.</u>			224.00
a. Land Tax	Rs.			44.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			84.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			64303.60
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			94695.00
a. Main Product	Kg.	1180	80.25	94695.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			30391.40
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5449.46
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			141.60
<u>b. Value at Market</u>	<u>Kg.</u>	1121	85.65	96013.65
<u>c. Net Profit</u>	<u>Rs.</u>			31568.45

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Palpa

Crop: Black Gram
 Variety: Kalu
 Sowing Time: Ashad/Shrawan

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			61750.00
a. Human Labor	Days	85	375.00	31875.00
b. Bullock Labor	Days	12	700.00	8400.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	40	60.00	2400.00
g. Manure	Kg.	5950	1.00	5950.00
h. Fertilizer				
Urea	Kg.	0	0.00	0.00
D.A.P	Kg.	0	0.00	0.00
Potash	Kg.	0	0.00	0.00
i. Plant Protection Chemicals	Rs.			250.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			2375.00
<u>2. Fixed Cost</u>	<u>Rs.</u>			231.00
a. Land Tax	Rs.			49.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			90.00
d. Depreciation	Rs.			92.00
<u>3. Total Costs</u>	<u>Rs.</u>			61981.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			98658.00
a. Main Product	Kg.	1215	81.20	98658.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			36677.00
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5101.32
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			145.80
<u>b. Value at Market</u>	<u>Kg.</u>	1154.25	89.40	103189.95
<u>c. Net Profit</u>	<u>Rs.</u>			41063.15

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Kanchanpur

Crop: Kidney Bean
 Variety: Hatedi
 Sowing Time: Magh/Falgun

Year: 2015/2016
 Condition : Irrigated/Main Season
 Harvesting Time: Baishakh/Jestha

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			83194.80
a. Human Labor	Days	96	400.00	38400.00
b. Bullock Labor	Days	0	0.00	0.00
c. Tractor Use	Hours	6	875.00	5250.00
d. Pumpset Use	Hours	18	225.00	4050.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	50	115.00	5750.00
g. Manure	Kg.	4850	1.00	4850.00
h. Fertilizer				
Urea	Kg.	25	25.00	625.00
D.A.P	Kg.	40	50.00	2000.00
Potash	Kg.	20	36.00	720.00
i. Plant Protection Chemicals	Rs.			1650.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
l. Interest on Variable Cost	Rs.			3199.80
<u>2. Fixed Cost</u>	<u>Rs.</u>			260.00
a. Land Tax	Rs.			45.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			94.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			83454.80
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			141525.00
a. Main Product	Kg.	1665	85.00	141525.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			58070.20
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5012.30
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			199.80
<u>b. Value at Market</u>	<u>Kg.</u>	1581.75	90.00	142357.50
<u>c. Net Profit</u>	<u>Rs.</u>			58702.90

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Chitwan

Crop: Kidney Bean
 Variety: Hatedi
 Sowing Time: Magh/Falgun

Year: 2015/2016
 Condition : Irrigated/Main Season
 Harvesting Time: Baishakh/Jestha

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			91249.60
a. Human Labor	Days	96	450.00	43200.00
b. Bullock Labor	Days	0	0.00	0.00
c. Tractor Use	Hours	6	900.00	5400.00
d. Pumpset Use	Hours	18	250.00	4500.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	50	120.00	6000.00
g. Manure	Kg.	4850	1.50	7275.00
h. Fertilizer				
Urea	Kg.	25	25.00	625.00
D.A.P	Kg.	65	51.00	1625.00
Potash	Kg.	15	38.00	765.00
i. Plant Protection Chemicals	Rs.			1650.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
l. Interest on Variable Cost	Rs.			3509.60
<u>2. Fixed Cost</u>	<u>Rs.</u>			283.00
a. Land Tax	Rs.			58.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			95.00
d. Depreciation	Rs.			105.00
<u>3. Total Costs</u>	<u>Rs.</u>			91532.60
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			148280.00
a. Main Product	Kg.	1685	88.00	148280.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			56747.40
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5432.20
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			202.20
<u>b. Value at Market</u>	<u>Kg.</u>	1600.75	92.00	147269.00
<u>c. Net Profit</u>	<u>Rs.</u>			55534.20

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Siraha

Crop: Kidney Bean
Variety: Kaleji
Sowing Time: Magh/Falgun

Year: 2015/2016
Condition : Irrigated/Main Season
Harvesting Time: Baishakh/Jestha

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			83515.90
a. Human Labor	Days	98	375.00	36750.00
b. Bullock Labor	Days	0	0.00	0.00
c. Tractor Use	Hours	8	900.00	7200.00
d. Pumpset Use	Hours	15	250.00	3750.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	50	115.00	5750.00
g. Manure	Kg.	5055	1.25	6318.75
h. Fertilizer				
Urea	Kg.	22	25.00	550.00
D.A.P	Kg.	45	50.00	1125.00
Potash	Kg.	15	35.00	750.00
i. Plant Protection Chemicals	Rs.			1450.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
l. Interest on Variable Cost	Rs.			3212.15
<u>2. Fixed Cost</u>	<u>Rs.</u>			301.00
a. Land Tax	Rs.			52.00
b. Water Tax	Rs.			40.00
c. Repair and Maintenance	Rs.			97.00
d. Depreciation	Rs.			112.00
<u>3. Total Costs</u>	<u>Rs.</u>			83816.90
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			135150.00
a. Main Product	Kg.	1590	85.00	135150.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			51333.10
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5271.50
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			190.80
<u>b. Value at Market</u>	<u>Kg.</u>	1510.5	90.00	135945.00
<u>c. Net Profit</u>	<u>Rs.</u>			51937.30

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Darchula

Crop: Kidney Bean
 Variety: Rajma
 Sowing Time: Falgun/Chaitra

Year: 2015/2016
 Condition :Irrigated/Main Season
 Harvesting Time: Jestha/Ashad

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			57899.92
a. Human Labor	Days	92	335.00	30820.00
b. Bullock Labor	Days	10	550.00	5500.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	40	65.00	2600.00
g. Manure	Kg.	4223	1.00	4223.00
h. Fertilizer				
Urea	Kg.	0	0.00	0.00
D.A.P	Kg.	28	50.00	0.00
Potash	Kg.	15	36.00	750.00
i. Plant Protection Chemicals	Rs.			1280.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			2226.92
<u>2. Fixed Cost</u>	<u>Rs.</u>			225.00
a. Land Tax	Rs.			51.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			84.00
d. Depreciation	Rs.			90.00
<u>3. Total Costs</u>	<u>Rs.</u>			58124.92
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			116400.00
a. Main Product	Kg.	1455	80.00	116400.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			58275.08
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			3994.84
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			174.60
<u>b. Value at Market</u>	<u>Kg.</u>	1382.25	85.00	117491.25
<u>c. Net Profit</u>	<u>Rs.</u>			59191.73

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Illam

Crop: Kidney Bean
Variety: Rajma
Sowing Time: Falgun/Chaitra

Year: 2015/2016
Condition :Irrigated/Main Season
Harvesting Time: Jestha/Ashad

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			65254.80
a. Human Labor	Days	96	400.00	38400.00
b. Bullock Labor	Days	4	650.00	2600.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	39	65.00	2535.00
g. Manure	Kg.	5260	1.00	5260.00
h. Fertilizer				
Urea	Kg.	20	25.00	500.00
D.A.P	Kg.	40	50.00	1000.00
Potash	Kg.	15	36.00	750.00
i. Plant Protection Chemicals	Rs.			1200.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			2509.80
<u>2. Fixed Cost</u>	<u>Rs.</u>			241.00
a. Land Tax	Rs.			50.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			93.00
d. Depreciation	Rs.			98.00
<u>3. Total Costs</u>	<u>Rs.</u>			65495.80
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			130708.00
a. Main Product	Kg.	1594	82.00	130708.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			65212.20
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			4108.90
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			191.28
<u>b. Value at Market</u>	<u>Kg.</u>	1514.3	88.00	133258.40
<u>c. Net Profit</u>	<u>Rs.</u>			67571.32

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Makwanpur

Crop: Snow Pea
Variety: Sikkim Green
Sowing Time: Bhadra/Aswin

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Mangsir/Poush

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			130993.20
a. Human Labor	Days	195	410.00	79950.00
b. Bullock Labor	Days	7	650.00	4550.00
c. Power Tiller Use	Hours	8	550.00	4400.00
d. Pumpset Use	Hours	8	250.00	2000.00
e. Sprayer Use	Hours	9	20.00	180.00
f. Seed	Kg.	40	225.00	9000.00
g. Manure	Kg.	5280	1.00	5280.00
h. Fertilizer				
Urea	Kg.	15	25.00	375.00
D.A.P	Kg.	35	51.00	875.00
Potash	Kg.	20	36.00	1020.00
i. Plant Protection Chemicals	Rs.			1825.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			15000.00
l. Interest on Variable Cost	Rs.			5038.20
<u>2. Fixed Cost</u>	<u>Rs.</u>			240.00
a. Land Tax	Rs.			48.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			94.00
d. Depreciation	Rs.			98.00
<u>3. Total Costs</u>	<u>Rs.</u>			131233.20
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			233304.50
a. Main Product	Kg.	5522	42.25	233304.50
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			102071.30
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2376.55
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			662.64
<u>b. Value at Market</u>	<u>Kg.</u>	5245.9	48.00	251803.20
<u>c. Net Profit</u>	<u>Rs.</u>			119907.36

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Nuwakot

Crop: Snow Pea
 Variety: Sikkim Green
 Sowing Time: Bhadra/Aswin

Year: 2015/2016
 Condition : Rainfed/Main Season
 Harvesting Time: Mangsir/Poush

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			125403.20
a. Human Labor	Days	197	375.00	73875.00
b. Bullock Labor	Days	7	600.00	4200.00
c. Power Tiller Use	Hours	8	550.00	4400.00
d. Pumpset Use	Hours	8	250.00	2000.00
e. Sprayer Use	Hours	9	20.00	180.00
f. Seed	Kg.	40	225.00	9000.00
g. Manure	Kg.	5180	1.25	6475.00
h. Fertilizer				
Urea	Kg.	15	25.00	375.00
D.A.P	Kg.	30	50.00	750.00
Potash	Kg.	20	36.00	1000.00
i. Plant Protection Chemicals	Rs.			1825.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			15000.00
l. Interest on Variable Cost	Rs.			4823.20
<u>2. Fixed Cost</u>	<u>Rs.</u>			216.00
a. Land Tax	Rs.			46.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			78.00
d. Depreciation	Rs.			92.00
<u>3. Total Costs</u>	<u>Rs.</u>			125619.20
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			249412.00
a. Main Product	Kg.	5422	46.00	249412.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			123792.80
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2316.84
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			650.64
<u>b. Value at Market</u>	<u>Kg.</u>	5150.9	50.00	257545.00
<u>c. Net Profit</u>	<u>Rs.</u>			131275.16

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Bara

Crop: Snow Pea
Variety: New Line
Sowing Time: Aswin/Kartik

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Poush/Magh

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			118448.20
a. Human Labor	Days	175	375.00	65625.00
b. Bullock Labor	Days	5	675.00	3375.00
c. Tractor Use	Hours	9	1000.00	9000.00
d. Pumpset Use	Hours	5	275.00	1375.00
e. Sprayer Use	Hours	14	20.00	280.00
f. Seed	Kg.	42	150.00	6300.00
g. Manure	Kg.	5175	1.50	7762.50
h. Fertilizer				
Urea	Kg.	15	25.00	375.00
D.A.P	Kg.	30	50.00	750.00
Potash	Kg.	15	36.00	750.00
i. Plant Protection Chemicals	Rs.			1800.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
l. Interest on Variable Cost	Rs.			4555.70
<u>2. Fixed Cost</u>	<u>Rs.</u>			271.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			95.00
<u>3. Total Costs</u>	<u>Rs.</u>			118719.20
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			214720.00
a. Main Product	Kg.	5368	40.00	214720.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			96000.80
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2211.61
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			644.16
<u>b. Value at Market</u>	<u>Kg.</u>	5099.6	48.00	244780.80
<u>c. Net Profit</u>	<u>Rs.</u>			125417.44

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Dhanusha

Crop: Snow Pea
 Variety: Sikkim Green
 Sowing Time: Aswin/Kartik

Year: 2015/2016
 Condition : Rainfed/Main Season
 Harvesting Time: Poush/Magh

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			125353.80
a. Human Labor	Days	188	375.00	70500.00
b. Bullock Labor	Days	5	725.00	3625.00
c. Tractor Use	Hours	9	1000.00	9000.00
d. Pumpset Use	Hours	4	250.00	1000.00
e. Sprayer Use	Hours	15	20.00	300.00
f. Seed	Kg.	41	225.00	9225.00
g. Manure	Kg.	5090	1.25	6362.50
h. Fertilizer				
Urea	Kg.	15	23.00	345.00
D.A.P	Kg.	35	49.00	805.00
Potash	Kg.	20	35.00	980.00
i. Plant Protection Chemicals	Rs.			1890.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
l. Interest on Variable Cost	Rs.			4821.30
<u>2. Fixed Cost</u>	<u>Rs.</u>			289.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			30.00
c. Repair and Maintenance	Rs.			94.00
d. Depreciation	Rs.			110.00
<u>3. Total Costs</u>	<u>Rs.</u>			125642.80
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			220036.50
a. Main Product	Kg.	5433	40.50	220036.50
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			94393.70
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2312.59
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			651.96
<u>b. Value at Market</u>	<u>Kg.</u>	5161.4	48.25	249035.14
<u>c. Net Profit</u>	<u>Rs.</u>			122740.38

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Dang

Crop: Snow Pea
 Variety: Arkel
 Sowing Time: Aswin/Kartik

Year: 2015/2016
 Condition : Rainfed/Main Season
 Harvesting Time: Poush/Magh

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			122298.80
a. Human Labor	Days	198	375.00	74250.00
b. Bullock Labor	Days	4	675.00	2700.00
c. Tractor Use	Hours	8	1000.00	8000.00
d. Pumpset Use	Hours	5	250.00	1250.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	40	140.00	5600.00
g. Manure	Kg.	5145	1.00	5145.00
h. Fertilizer				
Urea	Kg.	15	24.00	360.00
D.A.P	Kg.	35	50.00	840.00
Potash	Kg.	20	36.00	1000.00
i. Plant Protection Chemicals	Rs.			1750.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
l. Interest on Variable Cost	Rs.			4703.80
<u>2. Fixed Cost</u>	<u>Rs.</u>			277.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			98.00
d. Depreciation	Rs.			99.00
<u>3. Total Costs</u>	<u>Rs.</u>			122575.80
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			232557.00
a. Main Product	Kg.	5785	40.20	232557.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			109981.20
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2118.86
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			694.20
<u>b. Value at Market</u>	<u>Kg.</u>	5495.8	46.95	258025.46
<u>c. Net Profit</u>	<u>Rs.</u>			134755.46

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Rupandhehi

Crop: Snow Pea
 Variety: Arkel
 Sowing Time: Aswin/Kartik

Year: 2015/2016
 Condition : Rainfed/Main Season
 Harvesting Time: Poush/Magh

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			120894.80
a. Human Labor	Days	182	400.00	72800.00
b. Bullock Labor	Days	4	650.00	2600.00
c. Tractor Use	Hours	8	1000.00	8000.00
d. Pumpset Use	Hours	5	250.00	1250.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	40	150.00	6000.00
g. Manure	Kg.	5145	1.00	5145.00
h. Fertilizer				
Urea	Kg.	15	25.00	375.00
D.A.P	Kg.	25	50.00	625.00
Potash	Kg.	20	35.00	1000.00
i. Plant Protection Chemicals	Rs.			1750.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
l. Interest on Variable Cost	Rs.			4649.80
<u>2. Fixed Cost</u>	<u>Rs.</u>			267.00
a. Land Tax	Rs.			48.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			98.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			121161.80
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			223788.00
a. Main Product	Kg.	5485	40.80	223788.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			102626.20
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2208.97
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			658.20
<u>b. Value at Market</u>	<u>Kg.</u>	5210.8	47.95	249855.46
<u>c. Net Profit</u>	<u>Rs.</u>			128035.46

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Gulmi

Crop: Cowpea
Variety: Khumal Tane
Sowing Time: Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Baishakh/Jesth

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			111202.00
a. Human Labor	Days	171	380.00	64980.00
b. Bullock Labor	Days	4	660.00	2640.00
c. Power Tiller Use	Hours	8	550.00	4400.00
d. Pumpset Use	Hours	7	250.00	1750.00
e. Sprayer Use	Hours	13	20.00	260.00
f. Seed	Kg.	40	275.00	11000.00
g. Manure	Kg.	7655	1.00	7655.00
h. Fertilizer				
Urea	Kg.	15	25.00	375.00
D.A.P	Kg.	30	52.00	750.00
Potash	Kg.	20	36.00	1040.00
i. Plant Protection Chemicals	Rs.			1575.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			4277.00
<u>2. Fixed Cost</u>	<u>Rs.</u>			241.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			95.00
d. Depreciation	Rs.			91.00
<u>3. Total Costs</u>	<u>Rs.</u>			111443.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			202991.50
a. Main Product	Kg.	4486	45.25	202991.50
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			91548.50
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2484.24
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			538.32
<u>b. Value at Market</u>	<u>Kg.</u>	4261.7	50.85	216707.45
<u>c. Net Profit</u>	<u>Rs.</u>			104726.13

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Rolpa

Crop: Cowpea
Variety: Khumal Tane
Sowing Time: Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Baishakh/Jesth

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			104468.00
a. Human Labor	Days	172	350.00	60200.00
b. Bullock Labor	Days	8	550.00	4400.00
c. Power Tiller Use	Hours	4	500.00	2000.00
d. Pumpset Use	Hours	7	200.00	1400.00
e. Sprayer Use	Hours	13	20.00	260.00
f. Seed	Kg.	38	275.00	10450.00
g. Manure	Kg.	6855	1.00	6855.00
h. Fertilizer				
Urea	Kg.	15	25.00	375.00
D.A.P	Kg.	35	52.00	875.00
Potash	Kg.	30	35.00	1560.00
i. Plant Protection Chemicals	Rs.			1575.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			4018.00
<u>2. Fixed Cost</u>	<u>Rs.</u>			235.00
a. Land Tax	Rs.			56.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			85.00
d. Depreciation	Rs.			94.00
<u>3. Total Costs</u>	<u>Rs.</u>			104703.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			199152.50
a. Main Product	Kg.	4306	46.25	199152.50
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			94449.50
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2431.56
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			516.72
<u>b. Value at Market</u>	<u>Kg.</u>	4090.7	53.85	220284.20
<u>c. Net Profit</u>	<u>Rs.</u>			115064.48

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Rautahat

Crop: Cowpea
 Variety: Sarlahi Tane
 Sowing Time: Aswin

Year: 2015/2016
 Condition : Rainfed/Main Season
 Harvesting Time: Mangsir/Poush

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			120234.40
a. Human Labor	Days	155	400.00	62000.00
b. Bullock Labor	Days	2	660.00	1320.00
c. Tractor Use	Hours	9	1000.00	9000.00
d. Pumpset Use	Hours	10	225.00	2250.00
e. Sprayer Use	Hours	16	20.00	320.00
f. Seed	Kg.	40	260.00	10400.00
g. Manure	Kg.	8152	1.25	10190.00
h. Fertilizer				
Urea	Kg.	15	24.00	360.00
D.A.P	Kg.	35	51.00	840.00
Potash	Kg.	20	35.00	1020.00
i. Plant Protection Chemicals	Rs.			1410.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
l. Interest on Variable Cost	Rs.			4624.40
<u>2. Fixed Cost</u>	<u>Rs.</u>			245.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			94.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			120479.40
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			227943.60
a. Main Product	Kg.	5043	45.20	227943.60
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			107464.20
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2389.04
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			605.16
<u>b. Value at Market</u>	<u>Kg.</u>	4790.85	50.00	239542.50
<u>c. Net Profit</u>	<u>Rs.</u>			118457.94

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Nawalparasi

Crop: Cowpea
Variety: Sarlahi Tane
Sowing Time: Aswin

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Mangsir/Poush

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			118144.00
a. Human Labor	Days	149	390.00	58110.00
b. Bullock Labor	Days	3	625.00	1875.00
c. Tractor Use	Hours	10	975.00	9750.00
d. Pumpset Use	Hours	14	250.00	3500.00
e. Sprayer Use	Hours	15	20.00	300.00
f. Seed	Kg.	40	255.00	10200.00
g. Manure	Kg.	9645	1.00	9645.00
h. Fertilizer				
Urea	Kg.	15	25.00	375.00
D.A.P	Kg.	30	50.00	750.00
Potash	Kg.	25	36.00	1250.00
i. Plant Protection Chemicals	Rs.			1345.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
l. Interest on Variable Cost	Rs.			4544.00
<u>2. Fixed Cost</u>	<u>Rs.</u>			276.00
a. Land Tax	Rs.			58.00
b. Water Tax	Rs.			30.00
c. Repair and Maintenance	Rs.			92.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			118420.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			214555.00
a. Main Product	Kg.	4565	47.00	214555.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			96135.00
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2594.09
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			547.80
<u>b. Value at Market</u>	<u>Kg.</u>	4336.75	55.00	238521.25
<u>c. Net Profit</u>	<u>Rs.</u>			119553.45

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Surkhet

Crop: Cowpea
Variety: Khumal Tane
Sowing Time: Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Baishakh/Jesth

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			109319.60
a. Human Labor	Days	173	350.00	60550.00
b. Bullock Labor	Days	16	575.00	9200.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	11	200.00	2200.00
e. Sprayer Use	Hours	15	22.00	330.00
f. Seed	Kg.	36	300.00	10800.00
g. Manure	Kg.	7745	1.00	7745.00
h. Fertilizer				
Urea	Kg.	15	25.00	375.00
D.A.P	Kg.	35	50.00	875.00
Potash	Kg.	25	36.00	1250.00
i. Plant Protection Chemicals	Rs.			1290.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			4204.60
<u>2. Fixed Cost</u>	<u>Rs.</u>			232.00
a. Land Tax	Rs.			50.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			84.00
d. Depreciation	Rs.			98.00
<u>3. Total Costs</u>	<u>Rs.</u>			109551.60
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			211275.00
a. Main Product	Kg.	4695	45.00	211275.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			101723.40
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2333.37
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			563.40
<u>b. Value at Market</u>	<u>Kg.</u>	4460.25	49.00	218552.25
<u>c. Net Profit</u>	<u>Rs.</u>			108437.25

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Bajura

Crop: Cowpea
Variety: Khumal Tane
Sowing Time: Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Baishakh/Jesth

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
A. AVERAGE COST OF PRODUCTION				
<u>1. Variable Cost</u>	<u>Rs.</u>			104691.60
a. Human Labor	Days	173	325.00	56225.00
b. Bullock Labor	Days	16	575.00	9200.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	11	200.00	2200.00
e. Sprayer Use	Hours	15	22.00	330.00
f. Seed	Kg.	36	300.00	10800.00
g. Manure	Kg.	7745	1.00	7745.00
h. Fertilizer				
Urea	Kg.	15	25.00	375.00
D.A.P	Kg.	30	50.00	750.00
Potash	Kg.	25	36.00	1250.00
i. Plant Protection Chemicals	Rs.			1290.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			4026.60
<u>2. Fixed Cost</u>	<u>Rs.</u>			230.00
a. Land Tax	Rs.			52.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			86.00
d. Depreciation	Rs.			92.00
<u>3. Total Costs</u>	<u>Rs.</u>			104921.60
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			206250.00
a. Main Product	Kg.	4125	50.00	206250.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			101328.40
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2543.55
B. MARKETING AT NEAREST WHOLESALE MARKET				
<u>a. Marketing Cost</u>	<u>Rs.</u>			495.00
<u>b. Value at Market</u>	<u>Kg.</u>	3918.75	55.00	215531.25
<u>c. Net Profit</u>	<u>Rs.</u>			110114.65

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Tapalejung

Crop: Mustard
 Variety: Lumle -1
 Sowing Time: Bhadra/Aswin

Year: 2015/2016
 Condition : Unrigated/Main Season
 Harvesting Time: Mangsir/Poush

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			54787.20
a. Human Labor	Days	42	380.00	15960.00
b. Bullock Labor	Days	10	675.00	6750.00
c. Power Tiller Use	Hours	4	600.00	2400.00
d. Pumpset Use	Hours	5	225.00	1125.00
e. Sprayer Use	Hours	9	20.00	180.00
f. Seed	Kg.	20	150.00	3000.00
g. Manure	Kg.	7280	1.25	9100.00
h. Fertilizer				
Urea	Kg.	45	25.00	1125.00
D.A.P	Kg.	25	50.00	1250.00
Potash	Kg.	15	36.00	540.00
i. Plant Protection Chemicals	Rs.			750.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
k. Interest on Variable Cost	Rs.			2107.20
<u>2. Fixed Cost</u>	<u>Rs.</u>			224.00
a. Land Tax	Rs.			44.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			84.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			55011.20
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			82875.00
a. Main Product	Kg.	975	85.00	82875.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			27863.80
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5642.17
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			117.00
<u>b. Value at Market</u>	<u>Kg.</u>	926.25	92.00	85215.00
<u>c. Net Profit</u>	<u>Rs.</u>			30086.80

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Gulmi

Crop: Mustard
 Variety: Lumle -1
 Sowing Time: Bhadra/Aswin

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Mangsir/Poush

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			53877.20
a. Human Labor	Days	45	380.00	17100.00
b. Bullock Labor	Days	8	660.00	5280.00
c. Power Tiller Use	Hours	6	550.00	3300.00
d. Pumpset Use	Hours	6	250.00	1500.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	22	130.00	2860.00
g. Manure	Kg.	7655	1.00	7655.00
h. Fertilizer				
Urea	Kg.	50	25.00	1250.00
D.A.P	Kg.	20	52.00	1040.00
Potash	Kg.	10	36.00	360.00
i. Plant Protection Chemicals	Rs.			800.00
j. Management Cost	Rs.			1500.0
k. Land Rent	Rs.			9000.0
k. Interest on Variable Cost	Rs.			2072.20
<u>2. Fixed Cost</u>	<u>Rs.</u>			234.00
a. Land Tax	Rs.			48.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			95.00
d. Depreciation	Rs.			91.00
<u>3. Total Costs</u>	<u>Rs.</u>			54111.20
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			91770.00
a. Main Product	Kg.	966	95.00	91770.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			37658.80
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5601.57
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			115.92
<u>b. Value at Market</u>	<u>Kg.</u>	917.7	102.00	93605.40
<u>c. Net Profit</u>	<u>Rs.</u>			39378.28

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Rupandhehi

Crop: Mustard
Variety: : Pragati
Sowing Time: Kartik

Year: 2015/2016
Condition : Unrrigated/Main Season
Harvesting Time: Magh/Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			61027.20
a. Human Labor	Days	46	400.00	18400.00
b. Bullock Labor	Days	3	650.00	1950.00
c. Tractor Use	Hours	6	1000.00	6000.00
d. Pumpset Use	Hours	8	250.00	2000.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	21	125.00	2625.00
g. Manure	Kg.	5580	1.00	5580.00
h. Fertilizer				
Urea	Kg.	60	25.00	1500.00
D.A.P	Kg.	35	50.00	1750.00
Potash	Kg.	35	35.00	1225.00
i. Plant Protection Chemicals	Rs.			950.00
j. Management Cost	Rs.			3000.00
k Land Rent	Rs.			13500.00
l. Interest on Variable Cost	Rs.			2347.20
<u>2. Fixed Cost</u>	<u>Rs.</u>			297.00
a. Land Tax	Rs.			62.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			98.00
d. Depreciation	Rs.			112.00
<u>3. Total Costs</u>	<u>Rs.</u>			61324.20
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			91080.00
a. Main Product	Kg.	990	92.00	91080.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			29755.80
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6194.36
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			118.80
<u>b. Value at Market</u>	<u>Kg.</u>	940.5	100.00	94050.00
<u>c. Net Profit</u>	<u>Rs.</u>			32607.00

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Chitwan

Crop: Mustard
 Variety: Unnati
 Sowing Time: Kartik

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Magh/Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			67912.00
a. Human Labor	Days	52	450.00	23400.00
b. Bullock Labor	Days	0	0.00	0.00
c. Tractor Use	Hours	8	1000.00	8000.00
d. Pumpset Use	Hours	10	250.00	2500.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	23	130.00	2990.00
g. Manure	Kg.	4370	1.50	6555.00
h. Fertilizer				
Urea	Kg.	55	25.00	1375.00
D.A.P	Kg.	40	51.00	2040.00
Potash	Kg.	20	38.00	760.00
i. Plant Protection Chemicals	Rs.			980.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2612.00
<u>2. Fixed Cost</u>	<u>Rs.</u>			283.00
a. Land Tax	Rs.			58.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			95.00
d. Depreciation	Rs.			105.00
<u>3. Total Costs</u>	<u>Rs.</u>			68195.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			92225.00
a. Main Product	Kg.	1085	85.00	92225.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			24030.00
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6285.25
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			130.20
<u>b. Value at Market</u>	<u>Kg.</u>	1030.75	92.00	94829.00
<u>c. Net Profit</u>	<u>Rs.</u>			26503.80

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Dang

Crop: Mustard
Variety: Priti
Sowing Time: Kartik

Year: 2015/2016
Condition : Unirrigated/Main Season
Harvesting Time: Magh/Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			62046.40
a. Human Labor	Days	52	375.00	19500.00
b. Bullock Labor	Days	3	675.00	2025.00
c. Tractor Use	Hours	7	950.00	6650.00
d. Pumpset Use	Hours	7	250.00	1750.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	22	115.00	2530.00
g. Manure	Kg.	4820	1.25	6025.00
h. Fertilizer				
Urea	Kg.	50	24.00	1200.00
D.A.P	Kg.	30	50.00	1500.00
Potash	Kg.	25	36.00	900.00
i. Plant Protection Chemicals	Rs.			880.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2386.40
<u>2. Fixed Cost</u>	<u>Rs.</u>			266.00
a. Land Tax	Rs.			48.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			98.00
d. Depreciation	Rs.			95.00
<u>3. Total Costs</u>	<u>Rs.</u>			62312.40
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			94873.25
a. Main Product	Kg.	995	95.35	94873.25
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			32560.85
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6262.55
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			119.40
<u>b. Value at Market</u>	<u>Kg.</u>	945.25	103.10	97455.28
<u>c. Net Profit</u>	<u>Rs.</u>			35023.48

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Pyuthan

Crop: Mustard
 Variety: Lumle -1
 Sowing Time: Bhadra/Aswin

Year: 2015/2016
 Condition : Unrigated/Main Season
 Harvesting Time: Mangsir/Poush

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			48893.52
a. Human Labor	Days	38	350.00	13300.00
b. Bullock Labor	Days	11	580.00	6380.00
c. Power Tiller Use	Hours	2	550.00	1100.00
d. Pumpset Use	Hours	5	250.00	1250.00
e. Sprayer Use	Hours	9	20.00	180.00
f. Seed	Kg.	21	148.00	3108.00
g. Manure	Kg.	7280	1.00	7280.00
h. Fertilizer				
Urea	Kg.	55	25.00	1375.00
D.A.P	Kg.	25	50.00	1250.00
Potash	Kg.	15	36.00	540.00
i. Plant Protection Chemicals	Rs.			750.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
k. Interest on Variable Cost	Rs.			1880.52
<u>2. Fixed Cost</u>	<u>Rs.</u>			228.00
a. Land Tax	Rs.			48.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			84.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			49121.52
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			82350.00
a. Main Product	Kg.	915	90.00	82350.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			33228.48
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5368.47
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			109.80
<u>b. Value at Market</u>	<u>Kg.</u>	869.25	98.00	85186.50
<u>c. Net Profit</u>	<u>Rs.</u>			35955.18

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Jhapa

Crop: Mustard
Variety: Morang Tori
Sowing Time: Kartik

Year: 2015/2016
Condition : Unrigated/Main Season
Harvesting Time: Magh/Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			59072.00
a. Human Labor	Days	48	400.00	19200.00
b. Bullock Labor	Days	3	750.00	2250.00
c. Tractor Use	Hours	5	950.00	4750.00
d. Pumpset Use	Hours	8	250.00	2000.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	20	160.00	3200.00
g. Manure	Kg.	5050	1.00	5050.00
h. Fertilizer				
Urea	Kg.	40	25.00	1000.00
D.A.P	Kg.	25	50.00	1250.00
Potash	Kg.	15	35.00	525.00
i. Plant Protection Chemicals	Rs.			875.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2272.00
<u>2. Fixed Cost</u>	<u>Rs.</u>			287.00
a. Land Tax	Rs.			56.00
b. Water Tax	Rs.			30.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			105.00
<u>3. Total Costs</u>	<u>Rs.</u>			59359.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			89550.00
a. Main Product	Kg.	995	90.00	89550.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			30191.00
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5965.73
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			119.40
<u>b. Value at Market</u>	<u>Kg.</u>	945.25	98.00	92634.50
<u>c. Net Profit</u>	<u>Rs.</u>			33156.10

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Lamjung

Crop: Yellow Mustard
Variety: Krishna
Sowing Time: Mangsir

Year: 2015/2016
Condition : Unrrigated/Main Season
Harvesting Time: Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			57007.60
a. Human Labor	Days	47	400.00	18800.00
b. Bullock Labor	Days	3	650.00	1950.00
c. Power Tiller	Hours	9	950.00	8550.00
d. Pumpset Use	Hours	8	225.00	1800.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	21	125.00	2625.00
g. Manure	Kg.	5580	1.00	5580.00
h. Fertilizer				
Urea	Kg.	60	25.00	1500.00
D.A.P	Kg.	35	52.00	1820.00
Potash	Kg.	15	36.00	540.00
i. Plant Protection Chemicals	Rs.			950.00
j. Management Cost	Rs.			1500.00
k Land Rent	Rs.			9000.00
l. Interest on Variable Cost	Rs.			2192.60
<u>2. Fixed Cost</u>	<u>Rs.</u>			257.00
a. Land Tax	Rs.			49.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			87.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			57264.60
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			94080.00
a. Main Product	Kg.	980	96.00	94080.00
<u>5. Net Profit at Farm Gate</u>	Rs.			36815.40
<u>6. Production Cost Per Quintal</u>	Rs.			5843.33
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			117.60
<u>b. Value at Market</u>	<u>Kg.</u>	931	102.00	94962.00
<u>c. Net Profit</u>	<u>Rs.</u>			37579.80

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Chitwan

Crop: Yellow Mustard
 Variety: Krishna
 Sowing Time: Mangsir

Year: 2015/2016
 Condition : Unrigated/Main Season
 Harvesting Time: Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			58094.40
a. Human Labor	Days	42	450.00	18900.00
b. Bullock Labor	Days	0	0.00	0.00
c. Tractor Use	Hours	6	1000.00	6000.00
d. Pumpset Use	Hours	8	250.00	2000.00
e. Sprayer Use	Hours	4	20.00	80.00
f. Seed	Kg.	20	120.00	2400.00
g. Manure	Kg.	4010	1.50	6015.00
h. Fertilizer				
Urea	Kg.	45	25.00	1125.00
D.A.P	Kg.	30	51.00	1530.00
Potash	Kg.	20	38.00	760.00
i. Plant Protection Chemicals	Rs.			550.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2234.40
<u>2. Fixed Cost</u>	<u>Rs.</u>			279.00
a. Land Tax	Rs.			54.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			95.00
d. Depreciation	Rs.			105.00
<u>3. Total Costs</u>	<u>Rs.</u>			58373.40
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			85950.00
a. Main Product	Kg.	955	90.00	85950.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			27576.60
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6112.40
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			114.60
<u>b. Value at Market</u>	<u>Kg.</u>	907.25	98.45	89318.76
<u>c. Net Profit</u>	<u>Rs.</u>			30830.76

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Bara

Crop: Yellow Mustard
Variety: Krishna
Sowing Time: Kartik

Year: 2015/2016
Condition : Unrigated/Main Season
Harvesting Time: Magh/Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			55556.80
a. Human Labor	Days	40	375.00	15000.00
b. Bullock Labor	Days	2	625.00	1250.00
c. Tractor Use	Hours	6	1000.00	6000.00
d. Pumpset Use	Hours	7	275.00	1925.00
e. Sprayer Use	Hours	4	20.00	80.00
f. Seed	Kg.	19	120.00	2280.00
g. Manure	Kg.	3890	1.50	5835.00
h. Fertilizer				
Urea	Kg.	55	25.00	1375.00
D.A.P	Kg.	35	50.00	1750.00
Potash	Kg.	25	36.00	900.00
i. Plant Protection Chemicals	Rs.			525.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2136.80
<u>2. Fixed Cost</u>	<u>Rs.</u>			271.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			95.00
<u>3. Total Costs</u>	<u>Rs.</u>			55827.80
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			83160.00
a. Main Product	Kg.	945	88.00	83160.00
<u>5. Net Profit at Farm Gate</u>	Rs.			27332.20
<u>6. Production Cost Per Quintal</u>	Rs.			5907.70
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			113.40
<u>b. Value at Market</u>	<u>Kg.</u>	897.75	95.25	85510.69
<u>c. Net Profit</u>	<u>Rs.</u>			29569.49

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Surkhet

Crop: Yellow Mustard
 Variety: Pusa
 Sowing Time: Mangsir

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			45333.60
a. Human Labor	Days	42	350.00	14700.00
b. Bullock Labor	Days	2	575.00	1150.00
c. Tractor Use	Hours	6	850.00	5100.00
d. Pumpset Use	Hours	10	225.00	2250.00
e. Sprayer Use	Hours	5	20.00	100.00
f. Seed	Kg.	18	115.00	2070.00
g. Manure	Kg.	3790	1.00	3790.00
h. Fertilizer				
Urea	Kg.	50	25.00	1250.00
D.A.P	Kg.	30	50.00	1500.00
Potash	Kg.	20	36.00	720.00
i. Plant Protection Chemicals	Rs.			460.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
k. Interest on Variable Cost	Rs.			1743.60
<u>2. Fixed Cost</u>	<u>Rs.</u>			257.00
a. Land Tax	Rs.			50.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			84.00
d. Depreciation	Rs.			98.00
<u>3. Total Costs</u>	<u>Rs.</u>			45590.60
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			79447.50
a. Main Product	Kg.	990	80.25	79447.50
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			33856.90
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			4605.11
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			118.80
<u>b. Value at Market</u>	<u>Kg.</u>	940.5	98.15	92310.08
<u>c. Net Profit</u>	<u>Rs.</u>			46600.68

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Kavrepalanchock

Crop: Yellow Mustard
Variety: Pusa Bold
Sowing Time: Mangsir

Year: 2015/2016
Condition : Unrrigated/Main Season
Harvesting Time: Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			51373.66
a. Human Labor	Days	42	400.00	16800.00
b. Bullock Labor	Days	2	650.00	1300.00
c. Power Tiller	Hours	6	550.00	3300.00
d. Pumpset Use	Hours	8	250.00	2000.00
e. Sprayer Use	Hours	6	25.00	150.00
f. Seed	Kg.	18	118.00	2124.00
g. Manure	Kg.	3855	1.25	4818.75
h. Fertilizer				
Urea	Kg.	55	25.00	1375.00
D.A.P	Kg.	30	50.00	1500.00
Potash	Kg.	15	36.00	540.00
i. Plant Protection Chemicals	Rs.			490.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			1975.91
<u>2. Fixed Cost</u>	<u>Rs.</u>			309.00
a. Land Tax	Rs.			85.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			94.00
d. Depreciation	Rs.			105.00
<u>3. Total Costs</u>	<u>Rs.</u>			51682.66
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			87435.00
a. Main Product	Kg.	1005	87.00	87435.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			35752.34
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5142.55
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			120.60
<u>b. Value at Market</u>	<u>Kg.</u>	954.75	95.00	90701.25
<u>c. Net Profit</u>	<u>Rs.</u>			38897.99

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Jhapa

Crop: Yellow Mustard
Variety: Pusa Bold
Sowing Time: Kartik

Year: 2015/2016
Condition : Unrrigated/Main Season
Harvesting Time: Magh/Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			55255.20
a. Human Labor	Days	38	400.00	15200.00
b. Bullock Labor	Days	4	750.00	3000.00
c. Tractor Use	Hours	7	950.00	6650.00
d. Pumpset Use	Hours	6	250.00	1500.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	19	115.00	2185.00
g. Manure	Kg.	3915	1.00	3915.00
h. Fertilizer				
Urea	Kg.	50	25.00	1250.00
D.A.P	Kg.	30	50.00	1500.00
Potash	Kg.	20	35.00	700.00
i. Plant Protection Chemicals	Rs.			570.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2125.20
<u>2. Fixed Cost</u>	<u>Rs.</u>			273.00
a. Land Tax	Rs.			48.00
b. Water Tax	Rs.			30.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			99.00
<u>3. Total Costs</u>	<u>Rs.</u>			55528.20
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			88625.50
a. Main Product	Kg.	982	90.25	88625.50
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			33097.30
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5654.60
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			117.84
<u>b. Value at Market</u>	<u>Kg.</u>	932.9	97.90	91330.91
<u>c. Net Profit</u>	<u>Rs.</u>			35684.87

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Kailali

Crop: Yellow Mustard
Variety: Pusa Bold
Sowing Time: Kartik

Year: 2015/2016
Condition : Unrigated/Main Season
Harvesting Time: Magh/Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			57512.00
a. Human Labor	Days	38	425.00	16150.00
b. Bullock Labor	Days	5	650.00	3250.00
c. Tractor Use	Hours	8	950.00	7600.00
d. Pumpset Use	Hours	6	250.00	1500.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	19	115.00	2185.00
g. Manure	Kg.	3915	1.00	3915.00
h. Fertilizer				
Urea	Kg.	50	25.00	1250.00
D.A.P	Kg.	30	50.00	1500.00
Potash	Kg.	20	36.00	720.00
i. Plant Protection Chemicals	Rs.			570.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			2212.00
<u>2. Fixed Cost</u>	<u>Rs.</u>			255.00
a. Land Tax	Rs.			44.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			92.00
d. Depreciation	Rs.			94.00
<u>3. Total Costs</u>	<u>Rs.</u>			57767.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			82980.00
a. Main Product	Kg.	922	90.00	82980.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			25213.00
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6265.40
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			110.64
<u>b. Value at Market</u>	<u>Kg.</u>	875.9	98.00	85838.20
<u>c. Net Profit</u>	<u>Rs.</u>			27960.56

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Lamjung

Crop: Sesame
Variety: Nawalpur Khairo
Sowing Time: Mangsir

Year: 2015/2016
Condition : Unrigated/Main Season
Harvesting Time: Magh/Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			45656.00
a. Human Labor	Days	38	400.00	15200.00
b. Bullock Labor	Days	4	650.00	2600.00
c. Power Tiller	Hours	7	950.00	6650.00
d. Pumpset Use	Hours	2	225.00	450.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	12	130.00	1560.00
g. Manure	Kg.	4550	1.00	4550.00
h. Fertilizer				
Urea	Kg.	40	25.00	1000.00
D.A.P	Kg.	15	52.00	780.00
Potash	Kg.	10	36.00	360.00
i. Plant Protection Chemicals	Rs.			250.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
k. Interest on Variable Cost	Rs.			1756.00
<u>2. Fixed Cost</u>	<u>Rs.</u>			263.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			87.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			45919.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			101500.00
a. Main Product	Kg.	725	140.00	101500.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			55581.00
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6333.66
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			87.00
<u>b. Value at Market</u>	<u>Kg.</u>	688.75	150.00	103312.50
<u>c. Net Profit</u>	<u>Rs.</u>			57306.50

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Bara

Crop: Sesame
Variety: Nawalpur Khairo
Sowing Time: Mangsir

Year: 2015/2016
Condition : Unrigated/Main Season
Harvesting Time: Magh/Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			49563.28
a. Human Labor	Days	35	375.00	13125.00
b. Bullock Labor	Days	1	625.00	625.00
c. Tractor Use	Hours	8	1000.00	8000.00
d. Pumpset Use	Hours	2	275.00	550.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	12	125.00	1500.00
g. Manure	Kg.	3250	1.50	4875.00
h. Fertilizer				
Urea	Kg.	42	25.00	1050.00
D.A.P	Kg.	15	50.00	750.00
Potash	Kg.	12	36.00	432.00
i. Plant Protection Chemicals	Rs.			250.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			1906.28
<u>2. Fixed Cost</u>	<u>Rs.</u>			271.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			95.00
<u>3. Total Costs</u>	<u>Rs.</u>			49834.28
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			99225.00
a. Main Product	Kg.	735	135.00	99225.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			49390.72
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6780.17
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			88.20
<u>b. Value at Market</u>	<u>Kg.</u>	698.25	145.00	101246.25
<u>c. Net Profit</u>	<u>Rs.</u>			51323.77

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Kapilwastu

Crop: Sesame
Variety: Nawalpur Khairo
Sowing Time: Mangsir

Year: 2015/2016
Condition : Unrigated/Main Season
Harvesting Time: Magh/Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			43482.40
a. Human Labor	Days	33	375.00	12375.00
b. Bullock Labor	Days	1	675.00	675.00
c. Tractor Use	Hours	6	950.00	5700.00
d. Pumpset Use	Hours	2	250.00	500.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	10	120.00	1200.00
g. Manure	Kg.	3190	1.00	3190.00
h. Fertilizer				
Urea	Kg.	30	25.00	750.00
D.A.P	Kg.	10	50.00	500.00
Potash	Kg.	5	36.00	180.00
i. Plant Protection Chemicals	Rs.			240.00
j. Management Cost	Rs.			3000.00
k. Land Rent	Rs.			13500.00
k. Interest on Variable Cost	Rs.			1672.40
<u>2. Fixed Cost</u>	<u>Rs.</u>			271.00
a. Land Tax	Rs.			54.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			93.00
d. Depreciation	Rs.			99.00
<u>3. Total Costs</u>	<u>Rs.</u>			43753.40
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			102950.00
a. Main Product	Kg.	710	145.00	102950.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			59196.60
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6162.45
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			85.20
<u>b. Value at Market</u>	<u>Kg.</u>	674.5	155.00	104547.50
<u>c. Net Profit</u>	<u>Rs.</u>			60708.90

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Dailekh

Crop: Sesame Year: 2015/2016

Variety: Nawalpur Khairo

Sowing Time: Mangsir

Condition : Unrrigated/Main Season

Harvesting Time: Magh/Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			39187.20
a. Human Labor	Days	35	360.00	12600.00
b. Bullock Labor	Days	4	575.00	2300.00
c. Power Tiller	Hours	8	550.00	4400.00
d. Pumpset Use	Hours	2	250.00	500.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	11	125.00	1375.00
g. Manure	Kg.	4220	1.00	4220.00
h. Fertilizer				
Urea	Kg.	35	25.00	875.00
D.A.P	Kg.	10	50.00	500.00
Potash	Kg.	5	36.00	180.00
i. Plant Protection Chemicals	Rs.			230.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
k. Interest on Variable Cost	Rs.			1507.20
<u>2. Fixed Cost</u>	<u>Rs.</u>			236.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			87.00
d. Depreciation	Rs.			94.00
<u>3. Total Costs</u>	<u>Rs.</u>			39423.20
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			95850.00
a. Main Product	Kg.	710	135.00	95850.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			56426.80
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5552.56
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			85.20
<u>b. Value at Market</u>	<u>Kg.</u>	674.5	145.00	97802.50
<u>c. Net Profit</u>	<u>Rs.</u>			58294.10

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Khotang

Crop: Sesame
Variety: Nawalpur Khairo
Sowing Time: Mangsir

Year: 2015/2016
Condition : Unrigated/Main Season
Harvesting Time: Magh/Falgun

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			37034.40
a. Human Labor	Days	38	380.00	14440.00
b. Bullock Labor	Days	1	625.00	625.00
c. Power Tiller	Hours	3	550.00	1650.00
d. Pumpset Use	Hours	2	250.00	500.00
e. Sprayer Use	Hours	0	0.00	0.00
f. Seed	Kg.	11	125.00	1375.00
g. Manure	Kg.	4720	1.00	4720.00
h. Fertilizer				
Urea	Kg.	35	25.00	875.00
D.A.P	Kg.	10	52.00	520.00
Potash	Kg.	5	35.00	175.00
i. Plant Protection Chemicals	Rs.			230.00
j. Management Cost	Rs.			1500.00
k. Land Rent	Rs.			9000.00
k. Interest on Variable Cost	Rs.			1424.40
<u>2. Fixed Cost</u>	<u>Rs.</u>			245.00
a. Land Tax	Rs.			46.00
b. Water Tax	Rs.			20.00
c. Repair and Maintenance	Rs.			85.00
d. Depreciation	Rs.			94.00
<u>3. Total Costs</u>	<u>Rs.</u>			37279.40
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			93665.00
a. Main Product	Kg.	715	131.00	93665.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			56385.60
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			5213.90
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			85.80
<u>b. Value at Market</u>	<u>Kg.</u>	679.25	140.00	95095.00
<u>c. Net Profit</u>	<u>Rs.</u>			57729.80

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Kapilwastu

Crop: Groundnut
Variety: Rajarshi
Sowing Time: Ashad

Year: 2015/2016
Condition :Irrigated/Main Season
Harvesting Time: Kartik/Mangsir

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			126212.32
a. Human Labor	Days	130	375.00	48750.00
b. Bullock Labor	Days	2	675.00	1350.00
c. Tractor Use	Hours	7	950.00	6650.00
d. Pumpset Use	Hours	10	250.00	2500.00
e. Sprayer Use	Hours	12	20.00	240.00
f. Seed	Kg.	110	300.00	33000.00
g. Manure	Kg.	6523	1.00	6523.00
h. Fertilizer				
Urea	Kg.	35	25.00	875.00
D.A.P	Kg.	55	50.00	2750.00
Potash	Kg.	20	36.00	720.00
i. Plant Protection Chemicals	Rs.			1500.00
j. Land Lease	Rs.			13500.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			4854.32
<u>2. Fixed Cost</u>	<u>Rs.</u>			271.00
a. Land Tax	Rs.			54.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			93.00
d. Depreciation	Rs.			99.00
<u>3. Total Costs</u>	<u>Rs.</u>			126483.32
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			184200.00
a. Main Product	Kg.	1842	100.00	184200.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			57716.68
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6866.63
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			221.04
<u>b. Value at Market</u>	<u>Kg.</u>	1565.7	110.00	172227.00
<u>c. Net Profit</u>	<u>Rs.</u>			45522.64

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Dang

Crop: Groundnut
Variety: Baidehi
Sowing Time: Ashad

Year: 2015/2016
Condition : Unrrigated/Main Season
Harvesting Time: Kartik/Mangsir

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			145304.00
a. Human Labor	Days	140	375.00	52500.00
b. Bullock Labor	Days	2	675.00	1350.00
c. Tractor Use	Hours	6	950.00	5700.00
d. Pumpset Use	Hours	12	250.00	3000.00
e. Sprayer Use	Hours	14	20.00	280.00
f. Seed	Kg.	120	400.00	48000.00
g. Manure	Kg.	7820	1.00	7820.00
h. Fertilizer				
Urea	Kg.	40	24.00	960.00
D.A.P	Kg.	60	50.00	3000.00
Potash	Kg.	25	36.00	900.00
i. Plant Protection Chemicals	Rs.			1750.00
j. Land Lease	Rs.			13500.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			3544.00
<u>2. Fixed Cost</u>	<u>Rs.</u>			266.00
a. Land Tax	Rs.			48.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			98.00
d. Depreciation	Rs.			95.00
<u>3. Total Costs</u>	<u>Rs.</u>			145570.00
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			194750.00
a. Main Product	Kg.	2050	95.00	194750.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			49180.00
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			7100.98
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			246.00
<u>b. Value at Market</u>	<u>Kg.</u>	1742.5	105.00	182962.50
<u>c. Net Profit</u>	<u>Rs.</u>			37146.50

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Banke

Crop: Groundnut
Variety: Janak
Sowing Time: Ashad

Year: 2015/2016
Condition : Unrrigated/Main Season
Harvesting Time: Kartik/Mangsir

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			118925.63
a. Human Labor	Days	120	425.00	51000.00
b. Bullock Labor	Days	2	725.00	1450.00
c. Tractor Use	Hours	4	1000.00	4000.00
d. Pumpset Use	Hours	9	250.00	2250.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	115	250.00	28750.00
g. Manure	Kg.	6255	1.00	6255.00
h. Fertilizer				
Urea	Kg.	40	25.00	1000.00
D.A.P	Kg.	50	50.00	2500.00
Potash	Kg.	20	36.00	720.00
i. Plant Protection Chemicals	Rs.			1400.00
j. Land Lease	Rs.			13500.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			2900.63
<u>2. Fixed Cost</u>	<u>Rs.</u>			259.00
a. Land Tax	Rs.			48.00
b. Water Tax	Rs.			20.00
c. Repair and Maintenance	Rs.			92.00
d. Depreciation	Rs.			99.00
<u>3. Total Costs</u>	<u>Rs.</u>			119184.63
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			158850.00
a. Main Product	Kg.	1765	90.00	158850.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			39665.38
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6752.67
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			211.80
<u>b. Value at Market</u>	<u>Kg.</u>	1500.25	100.00	150025.00
<u>c. Net Profit</u>	<u>Rs.</u>			30628.58

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Kanchanpur

Crop: Chilli
Variety: Nam Dhari
Planting Time: Bhadra/Aswin

Year: 2015/2016
Condition :Irrigated/Main Season
Harvesting Time: Mangsir/Poush

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			160950.40
a. Human Labor	Days	197	400.00	78800.00
b. Bullock Labor	Days	5	625.00	3125.00
c. Tractor Use	Hours	6	950.00	5700.00
d. Pumpset Use	Hours	9	250.00	2250.00
e. Sprayer Use	Hours	14	20.00	280.00
f. Seed	Kg.	0.5	50000.00	25000.00
g. Manure	Kg.	13245	1.00	13245.00
h. Fertilizer				
Urea	Kg.	110	25.00	2750.00
D.A.P	Kg.	80	50.00	4000.00
Potash	Kg.	60	36.00	2160.00
i. Plant Protection Chemicals	Rs.			950.00
j. Land Lease	Rs.			13500.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			6190.40
<u>2. Fixed Cost</u>	<u>Rs.</u>			260.00
a. Land Tax	Rs.			45.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			94.00
d. Depreciation	Rs.			96.00
<u>3. Total Costs</u>	<u>Rs.</u>			161210.40
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			406700.00
a. Main Product	Kg.	2324	175.00	406700.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			245489.60
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6936.76
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			278.88
<u>b. Value at Market</u>	<u>Kg.</u>	2207.8	190.00	419482.00
<u>c. Net Profit</u>	<u>Rs.</u>			257992.72

Note: Nursery bed preparation is done one month ahead of planting time.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Chitwan

Crop: Chilli
 Variety: Naam Dhari
 Planting Time: Bhadra/Aswin

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Mangsir/Poush

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			178478.56
a. Human Labor	Days	192	450.00	86400.00
b. Bullock Labor	Days	5	650.00	3250.00
c. Tractor Use	Hours	8	1000.00	8000.00
d. Pumpset Use	Hours	12	250.00	3000.00
e. Sprayer Use	Hours	14	20.00	280.00
f. Seed	Kg.	0.5	50000.00	25000.00
g. Manure	Kg.	12680	1.50	19020.00
h. Fertilizer				
Urea	Kg.	108	25.00	2700.00
D.A.P	Kg.	85	51.00	4335.00
Potash	Kg.	58	38.00	2204.00
i. Plant Protection Chemicals	Rs.			925.00
j. Land Lease	Rs.			13500.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			6864.56
<u>2. Fixed Cost</u>	<u>Rs.</u>			279.00
a. Land Tax	Rs.			54.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			95.00
d. Depreciation	Rs.			105.00
<u>3. Total Costs</u>	<u>Rs.</u>			178757.56
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			424800.00
a. Main Product	Kg.	2360	180.00	424800.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			246042.44
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			7574.47
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			283.20
<u>b. Value at Market</u>	<u>Kg.</u>	2242	190.00	425980.00
<u>c. Net Profit</u>	<u>Rs.</u>			246939.24

Note: Nursery bed preparation is done one month ahead of planting time.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Dhankuta

Crop: Chilli
Variety: Jwala
Planting Time: Falgun

Year: 2015/2016
Condition : Unrrigated/Main Season
Harvesting Time: Jestha/Asad

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			128821.68
a. Human Labor	Days	196	375.00	73500.00
b. Bullock Labor	Days	7	625.00	4375.00
c. Power Tiller Use	Hours	8	500.00	4000.00
d. Pumpset Use	Hours	12	225.00	2700.00
e. Sprayer Use	Hours	12	25.00	300.00
f. Seed	Kg.	0.6	12000.00	7200.00
g. Manure	Kg.	12832	1.00	12832.00
h. Fertilizer				
Urea	Kg.	90	24.00	2160.00
D.A.P	Kg.	75	50.00	3750.00
Potash	Kg.	50	36.00	1800.00
i. Plant Protection Chemicals	Rs.			750.00
j. Land Lease	Rs.			9000.00
k. Management Cost	Rs.			1500.00
l. Interest on Variable Cost	Rs.			4954.68
<u>2. Fixed Cost</u>	<u>Rs.</u>			236.00
a. Land Tax	Rs.			44.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			94.00
d. Depreciation	Rs.			98.00
<u>3. Total Costs</u>	<u>Rs.</u>			129057.68
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			346752.00
a. Main Product	Kg.	2016	172.00	346752.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			217694.32
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6401.67
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			241.92
<u>b. Value at Market</u>	<u>Kg.</u>	1915.2	180.00	344736.00
<u>c. Net Profit</u>	<u>Rs.</u>			215436.40

Note: Nursery bed preparation is done one month ahead of planting time.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Sunsari

Crop: Chilli
 Variety: Naam Dhari
 Planting Time: Bhadra/Aswin

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Mangsir/Poush

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			159624.40
a. Human Labor	Days	188	400.00	75200.00
b. Bullock Labor	Days	5	750.00	3750.00
c. Tractor Use	Hours	8	950.00	7600.00
d. Pumpset Use	Hours	12	250.00	3000.00
e. Sprayer Use	Hours	14	20.00	280.00
f. Seed	Kg.	0.5	50000.00	25000.00
g. Manure	Kg.	12680	1.00	12680.00
h. Fertilizer				
Urea	Kg.	105	25.00	2625.00
D.A.P	Kg.	80	50.00	4000.00
Potash	Kg.	55	35.00	1925.00
i. Plant Protection Chemicals	Rs.			925.00
j. Land Lease	Rs.			13500.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			6139.40
<u>2. Fixed Cost</u>	<u>Rs.</u>			311.00
a. Land Tax	Rs.			56.00
b. Water Tax	Rs.			32.00
c. Repair and Maintenance	Rs.			108.00
d. Depreciation	Rs.			115.00
<u>3. Total Costs</u>	<u>Rs.</u>			159935.40
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			375700.00
a. Main Product	Kg.	2210	170.00	375700.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			215764.60
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			7236.90
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			265.20
<u>b. Value at Market</u>	<u>Kg.</u>	2099.5	180.00	377910.00
<u>c. Net Profit</u>	<u>Rs.</u>			217709.40

Note: Nursery bed preparation is done one month ahead of planting time.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Dhadhing

Crop: Chilli
Variety: Jwala
Planting Time: Magh/Falgun

Year: 2015/2016
Condition : Unrrigated/Main Season
Harvesting Time: Jestha/Asad

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			135905.90
a. Human Labor	Days	196	380.00	74480.00
b. Bullock Labor	Days	5	650.00	3250.00
c. Power Tiller Use	Hours	7	500.00	3500.00
d. Pumpset Use	Hours	12	200.00	2400.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	0.6	10000.00	6000.00
g. Manure	Kg.	9855	1.25	12318.75
h. Fertilizer				
Urea	Kg.	110	25.00	2750.00
D.A.P	Kg.	85	50.00	4250.00
Potash	Kg.	55	36.00	1980.00
i. Plant Protection Chemicals	Rs.			1050.00
j. Land Lease	Rs.			15500.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			5227.15
<u>2. Fixed Cost</u>	<u>Rs.</u>			240.00
a. Land Tax	Rs.			48.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			94.00
d. Depreciation	Rs.			98.00
<u>3. Total Costs</u>	<u>Rs.</u>			136145.90
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			364875.00
a. Main Product	Kg.	2085	175.00	364875.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			228729.10
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6529.78
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			250.20
<u>b. Value at Market</u>	<u>Kg.</u>	1980.75	185.00	366438.75
<u>c. Net Profit</u>	<u>Rs.</u>			230042.65

Note: Nursery bed preparation is done one month ahead of planting time.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Udayapur

Crop: Chilli
 Variety: Local
 Planting Time: Magh/Falgun

Year: 2015/2016
 Condition : Unrrigated/Main Season
 Harvesting Time: Jestha/Asad

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			128642.80
a. Human Labor	Days	192	425.00	81600.00
b. Bullock Labor	Days	6	600.00	3600.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	0.6	12000.00	7200.00
g. Manure	Kg.	9860	1.25	12325.00
h. Fertilizer				
Urea	Kg.	92	25.00	2300.00
D.A.P	Kg.	74	50.00	3700.00
Potash	Kg.	50	35.00	1750.00
i. Plant Protection Chemicals	Rs.			560.00
j. Land Lease	Rs.			9000.00
k. Management Cost	Rs.			1500.00
l. Interest on Variable Cost	Rs.			4947.80
<u>2. Fixed Cost</u>	<u>Rs.</u>			258.00
a. Land Tax	Rs.			46.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			116.00
<u>3. Total Costs</u>	<u>Rs.</u>			128900.80
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			342550.00
a. Main Product	Kg.	2015	170.00	342550.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			213649.20
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6397.06
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			241.80
<u>b. Value at Market</u>	<u>Kg.</u>	1914.25	190.00	363707.50
<u>c. Net Profit</u>	<u>Rs.</u>			234564.90

Note: Nursery bed preparation is done one month ahead of planting time.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

DISTRICT: Arghakhachi

Crop: Chilli
Variety: Jwala
Planting Time: Falgun

Year: 2015/2016
Condition : Unrrigated/Main Season
Harvesting Time: Jestha/Asad

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			122124.08
a. Human Labor	Days	178	375.00	66750.00
b. Bullock Labor	Days	7	600.00	4200.00
c. Power Tiller Use	Hours	8	500.00	4000.00
d. Pumpset Use	Hours	12	225.00	2700.00
e. Sprayer Use	Hours	12	20.00	240.00
f. Seed	Kg.	0.6	12000.00	7200.00
g. Manure	Kg.	12832	1.00	12832.00
h. Fertilizer				
Urea	Kg.	95	25.00	2375.00
D.A.P	Kg.	75	52.00	3900.00
Potash	Kg.	55	36.00	1980.00
i. Plant Protection Chemicals	Rs.			750.00
j. Land Lease	Rs.			9000.00
k. Management Cost	Rs.			1500.00
l. Interest on Variable Cost	Rs.			4697.08
<u>2. Fixed Cost</u>	<u>Rs.</u>			229.00
a. Land Tax	Rs.			44.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			93.00
d. Depreciation	Rs.			92.00
<u>3. Total Costs</u>	<u>Rs.</u>			122353.08
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			341592.00
a. Main Product	Kg.	1986	172.00	341592.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			219238.92
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			6160.78
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			238.32
<u>b. Value at Market</u>	<u>Kg.</u>	1886.7	186.00	350926.20
<u>c. Net Profit</u>	<u>Rs.</u>			228334.80

Note: Nursery bed preparation is done one month ahead of planting time.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Bara

Crop: Onion
Variety: Red Cruel
Sowing Time: Kartik/Mangsir

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Chaitra/Baishakh

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	Rs.			120853.20
a. Human Labor	Days	168	375.00	63000.00
b. Bullock Labor	Days	5	625.00	3125.00
c. Tractor Use	Hours	9	900.00	8100.00
d. Pumpset Use	Hours	12	200.00	2400.00
e. Sprayer Use	Hours	9	20.00	180.00
f. Seed	Kg.	0.6	1100.00	660.00
g. Manure	Kg.	9810	1.50	14715.00
h. Fertilizer				
Urea	Kg.	75	25.00	1875.00
D.A.P	Kg.	60	50.00	3000.00
Potash	Kg.	40	36.00	1440.00
i. Plant Protection Chemicals	Rs.			1210.00
j. Land Lease	Rs.			13500.00
k Management Cost	Rs.			3000.00
k. Interest on Variable Cost	Rs.			4648.20
2. Fixed Cost	Rs.			271.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			95.00
3. Total Costs	Rs.			121124.20
4. Gross Income at Farm Gate	Rs.			292155.00
a. Main Product	Kg.	12820	22.25	285245.00
b. By-Product	Mutha	1382	5.00	6910.00
5. Net Profit at Farm Gate	Rs.			171030.80
6. Production Cost per Quintal	Rs.			890.91
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	Rs.			3205.00
b. Value at Market	Kg.	12179	25.50	310564.50
c. Net Profit	Rs.			193145.30

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Salyan

Crop: Onion
Variety: NL - 53
Sowing Time: Kartik/Mangsir

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Chaitra/Baishakh

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	Rs.			104852.80
a. Human Labor	Days	169	360.00	60840.00
b. Bullock Labor	Days	6	625.00	3750.00
c. Power Tiller Use	Hours	9	500.00	4500.00
d. Pumpset Use	Hours	10	200.00	2000.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	0.7	1050.00	735.00
g. Manure	Kg.	11210	1.00	11210.00
h. Fertilizer				
Urea	Kg.	70	25.00	1750.00
D.A.P	Kg.	55	55.00	3025.00
Potash	Kg.	35	36.00	1260.00
i. Plant Protection Chemicals	Rs.			1050.00
j. Land Lease	Rs.			9000.00
k Management Cost	Rs.			1500.00
k. Interest on Variable Cost	Rs.			4032.80
2. Fixed Cost	Rs.			264.00
a. Land Tax	Rs.			47.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			94.00
d. Depreciation	Rs.			98.00
3. Total Costs	Rs.			105116.80
4. Gross Income at Farm Gate	Rs.			282837.00
a. Main Product	Kg.	12655	21.90	277144.50
b. By-Product	Mutha	1265	4.50	5692.50
5. Net Profit at Farm Gate	Rs.			177720.20
6. Production Cost per Quintal	Rs.			785.65
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	Rs.			3163.75
b. Value at Market	Kg.	12022.3	24.75	297550.69
c. Net Profit	Rs.			194962.64

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Kapilwastu

Crop: Onion
Variety: Red Cruel
Sowing Time: Kartik/Mangsir

Year: 2015/2016
Condition : Irrigated/Main Season
Harvesting Time: Chaitra/Baishakh

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			117616.20
a. Human Labor	Days	168	375.00	63000.00
b. Bullock Labor	Days	7	675.00	4725.00
c. Tractor Use	Hours	9	875.00	7875.00
d. Pumpset Use	Hours	8	200.00	1600.00
e. Sprayer Use	Hours	9	20.00	180.00
f. Seed	Kg.	0.75	1150.00	862.50
g. Manure	Kg.	11110	1.00	11110.00
h. Fertilizer				
Urea	Kg.	70	25.00	1750.00
D.A.P	Kg.	60	50.00	3000.00
Potash	Kg.	40	36.00	1440.00
i. Plant Protection Chemicals	Rs.			1050.00
j. Land Lease	Rs.			13500.00
k Management Cost	Rs.			3000.00
k. Interest on Variable Cost	Rs.			4523.70
2. Fixed Cost	<u>Rs.</u>			271.00
a. Land Tax	Rs.			54.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			93.00
d. Depreciation	Rs.			99.00
3. Total Costs	<u>Rs.</u>			117887.20
4. Gross Income at Farm Gate	<u>Rs.</u>			289217.50
a. Main Product	Kg.	12755	22.25	283798.75
b. By-Product	Mutha	1275	4.25	5418.75
5. Net Profit at Farm Gate	Rs.			171330.30
6. Production Cost per Quintal	Rs.			881.76
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			3188.75
b. Value at Market	<u>Kg.</u>	12117.3	25.10	304142.98
c. Net Profit	<u>Rs.</u>			188485.78

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Saptari

Crop: Onion
Variety: Red Cruel
Sowing Time: Kartik/Mangsir

Year: 2015/2016
Condition : Irrigated/Main Season
Harvesting Time: Chaitra/Baishakh

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	Rs.			122426.20
a. Human Labor	Days	168	400.00	67200.00
b. Bullock Labor	Days	7	675.00	4725.00
c. Tractor Use	Hours	9	900.00	8100.00
d. Pumpset Use	Hours	8	225.00	1800.00
e. Sprayer Use	Hours	9	20.00	180.00
f. Seed	Kg.	0.75	1150.00	862.50
g. Manure	Kg.	11110	1.00	11110.00
h. Fertilizer				
Urea	Kg.	70	25.00	1750.00
D.A.P	Kg.	60	50.00	3000.00
Potash	Kg.	40	36.00	1440.00
i. Plant Protection Chemicals	Rs.			1050.00
j. Land Lease	Rs.			13500.00
k Management Cost	Rs.			3000.00
k. Interest on Variable Cost	Rs.			4708.70
2. Fixed Cost	Rs.			282.00
a. Land Tax	Rs.			52.00
b. Water Tax	Rs.			30.00
c. Repair and Maintenance	Rs.			95.00
d. Depreciation	Rs.			105.00
3. Total Costs	Rs.			122708.20
4. Gross Income at Farm Gate	Rs.			289217.50
a. Main Product	Kg.	12755	22.25	283798.75
b. By-Product	Mutha	1275	4.25	5418.75
5. Net Profit at Farm Gate	Rs.			166509.30
6. Production Cost per Quintal	Rs.			919.56
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	Rs.			3188.75
b. Value at Market	Kg.	12117.3	25.10	304142.98
c. Net Profit	Rs.			183664.78

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Sindhuli

Crop: Onion
 Variety: Nasik Red
 Sowing Time: Kartik/Mangsir

Year: 2015/2016
 Condition : Irrigated/Main Season
 Harvesting Time: Chaitra/Baishakh

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			122735.60
a. Human Labor	Days	176	415.00	73040.00
b. Bullock Labor	Days	10	800.00	8000.00
c. Power Tiller Use	Hours	5	500.00	2500.00
d. Pumpset Use	Hours	4	225.00	900.00
e. Sprayer Use	Hours	10	23.00	230.00
f. Seed	Kg.	0.75	1200.00	900.00
g. Manure	Kg.	15190	1.00	15190.00
h. Fertilizer				
Urea	Kg.	65	25.00	1625.00
D.A.P	Kg.	50	52.00	2600.00
Potash	Kg.	40	37.00	1480.00
i. Plant Protection Chemicals	Rs.			1050.00
j. Land Lease	Rs.			9000.00
k Management Cost	Rs.			1500.00
k. Interest on Variable Cost	Rs.			4720.60
2. Fixed Cost	<u>Rs.</u>			241.00
a. Land Tax	Rs.			46.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			96.00
d. Depreciation	Rs.			99.00
3. Total Costs	<u>Rs.</u>			122976.60
4. Gross Income at Farm Gate	<u>Rs.</u>			289829.00
a. Main Product	Kg.	12110	23.50	284585.00
b. By-Product	Mutha	1311	4.00	5244.00
5. Net Profit at Farm Gate	<u>Rs.</u>			166852.40
6. Production Cost per Quintal	<u>Rs.</u>			972.19
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			3027.50
b. Value at Market	<u>Kg.</u>	11504.5	26.00	299117.00
c. Net Profit	<u>Rs.</u>			178356.90

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Bardia

Crop: Onion
Variety: NL - 53
Sowing Time: Kartik/Mangsir

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Chaitra/Baishakh

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			117369.20
a. Human Labor	Days	169	375.00	63375.00
b. Bullock Labor	Days	6	650.00	3900.00
c. Tractor Use	Hours	9	875.00	7875.00
d. Pumpset Use	Hours	10	225.00	2250.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	0.7	1050.00	735.00
g. Manure	Kg.	11210	1.00	11210.00
h. Fertilizer				
Urea	Kg.	70	25.00	1750.00
D.A.P	Kg.	55	50.00	2750.00
Potash	Kg.	35	36.00	1260.00
i. Plant Protection Chemicals	Rs.			1050.00
j. Land Lease	Rs.			13500.00
k Management Cost	Rs.			3000.00
k. Interest on Variable Cost	Rs.			4514.20
2. Fixed Cost	<u>Rs.</u>			286.00
a. Land Tax	Rs.			58.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			98.00
d. Depreciation	Rs.			105.00
3. Total Costs	<u>Rs.</u>			117655.20
4. Gross Income at Farm Gate	<u>Rs.</u>			282837.00
a. Main Product	Kg.	12655	21.90	277144.50
b. By-Product	Mutha	1265	4.50	5692.50
5. Net Profit at Farm Gate	<u>Rs.</u>			165181.80
6. Production Cost per Quintal	<u>Rs.</u>			884.73
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			3163.75
b. Value at Market	<u>Kg.</u>	12022.3	24.75	297550.69
c. Net Profit	<u>Rs.</u>			182424.24

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Bhojpur

Crop: Garlic
 Variety: Nepali Local
 Sowing Time: Aswin/Kartik

Year: 2015/2016
 Condition : Rainfed/Main Season
 Harvesting Time: Poush/Magh

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	Rs.			175094.40
a. Human Labor	Days	189	350.00	66150.00
b. Bullock Labor	Days	9	550.00	4950.00
c. Power Tiller Use	Hours	3	550.00	1650.00
d. Pumpset Use	Hours	6	250.00	1500.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	525	125.00	65625.00
g. Manure	Kg.	11690	1.00	11690.00
h. Fertilizer				
Urea	Kg.	65	25.00	1625.00
D.A.P	Kg.	45	50.00	2250.00
Potash	Kg.	40	36.00	1440.00
i. Plant Protection Chemicals	Rs.			820.00
j. Land Lease	Rs.			9000.00
k. Management Cost	Rs.			1500.00
l. Interest on Variable Cost	Rs.			6734.40
2. Fixed Cost	Rs.			226.00
a. Land Tax	Rs.			45.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			87.00
d. Depreciation	Rs.			94.00
3. Total Costs	Rs.			175320.40
4. Gross Income at Farm Gate	Rs.			501816.00
a. Main Product	Kg.	6220	80.20	498844.00
b. By-Product	Mutha	743	4.00	2972.00
5. Net Profit at Farm Gate	Rs.			326495.60
6. Production Cost per Quintal	Rs.			2770.87
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	Rs.			1555.00
b. Value at Market	Kg.	5909	88.36	522119.24
c. Net Profit	Rs.			348215.84

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Argakhachi

Crop: Garlic
Variety: Nepali Local
Sowing Time: Aswin/Kartik

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Poush/Magh

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			183768.00
a. Human Labor	Days	189	375.00	70875.00
b. Bullock Labor	Days	13	600.00	7800.00
c. Power Tiller Use	Hours	3	550.00	1650.00
d. Pumpset Use	Hours	6	250.00	1500.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	510	130.00	66300.00
g. Manure	Kg.	11690	1.00	11690.00
h. Fertilizer				
Urea	Kg.	65	25.00	1625.00
D.A.P	Kg.	45	52.00	2340.00
Potash	Kg.	40	36.00	1440.00
i. Plant Protection Chemicals	Rs.			820.00
j. Land Lease	Rs.			9000.00
k. Management Cost	Rs.			1500.00
l. Interest on Variable Cost	Rs.			7068.00
2. Fixed Cost	<u>Rs.</u>			229.00
a. Land Tax	Rs.			44.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			93.00
d. Depreciation	Rs.			92.00
3. Total Costs	<u>Rs.</u>			183997.00
4. Gross Income at Farm Gate	<u>Rs.</u>			513023.00
a. Main Product	Kg.	6205	82.20	510051.00
b. By-Product	Mutha	743	4.00	2972.00
5. Net Profit at Farm Gate	Rs.			329026.00
6. Production Cost per Quintal	Rs.			2917.41
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			1551.25
b. Value at Market	<u>Kg.</u>	5894.75	90.36	532649.61
c. Net Profit	<u>Rs.</u>			350073.36

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Doti

Crop: Garlic
Variety: Nepali Local
Sowing Time: Kartik/Mangsir

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Magh/Falgun

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			180445.20
a. Human Labor	Days	210	350.00	73500.00
b. Bullock Labor	Days	14	525.00	7350.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	505	130.00	65650.00
g. Manure	Kg.	9815	1.00	9815.00
h. Fertilizer				
Urea	Kg.	70	25.00	1750.00
D.A.P	Kg.	50	52.00	2600.00
Potash	Kg.	35	36.00	1260.00
i. Plant Protection Chemicals	Rs.			920.00
j. Land Lease	Rs.			9000.00
k. Management Cost	Rs.			1500.00
l. Interest on Variable Cost	Rs.			6940.20
2. Fixed Cost	<u>Rs.</u>			227.00
a. Land Tax	Rs.			49.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			82.00
d. Depreciation	Rs.			96.00
3. Total Costs	<u>Rs.</u>			180672.20
4. Gross Income at Farm Gate	<u>Rs.</u>			522170.00
a. Main Product	Kg.	6180	84.00	519120.00
b. By-Product	Mutha	610	5.00	3050.00
5. Net Profit at Farm Gate	Rs.			341497.80
6. Production Cost per Quintal	Rs.			2874.15
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			1545.00
b. Value at Market	<u>Kg.</u>	5871	92.00	540132.00
c. Net Profit	<u>Rs.</u>			360964.80

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Salyan

Crop: Garlic
Variety: Nepali Local
Sowing Time: Kartik/Mangsir

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Magh/Falgun

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	Rs.			179732.80
a. Human Labor	Days	210	360.00	75600.00
b. Bullock Labor	Days	0	0.00	0.00
c. Power Tiller Use	Hours	12	500.00	6000.00
d. Pumpset Use	Hours	12	250.00	3000.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	490	120.00	58800.00
g. Manure	Kg.	11850	1.00	11850.00
h. Fertilizer				
Urea	Kg.	70	25.00	1750.00
D.A.P	Kg.	55	55.00	3025.00
Potash	Kg.	35	36.00	1260.00
i. Plant Protection Chemicals	Rs.			875.00
j. Land Lease	Rs.			9000.00
k. Management Cost	Rs.			1500.00
l. Interest on Variable Cost	Rs.			6912.80
2. Fixed Cost	Rs.			264.00
a. Land Tax	Rs.			47.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			94.00
d. Depreciation	Rs.			98.00
3. Total Costs	Rs.			179996.80
4. Gross Income at Farm Gate	Rs.			560350.00
a. Main Product	Kg.	6555	85.00	557175.00
b. By-Product	Mutha	635	5.00	3175.00
5. Net Profit at Farm Gate	Rs.			380353.20
6. Production Cost per Quintal	Rs.			2697.51
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	Rs.			1638.75
b. Value at Market	Kg.	6227.25	93.00	579134.25
c. Net Profit	Rs.			400673.70

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Surkhet

Crop: Garlic
Variety: Nepali Local
Sowing Time: Aswin/Kartik

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Poush/Magh

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	Rs.			178318.40
a. Human Labor	Days	189	350.00	66150.00
b. Bullock Labor	Days	13	575.00	7475.00
c. Tractor Use	Hours	5	850.00	4250.00
d. Pumpset Use	Hours	6	225.00	1350.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	510	125.00	63750.00
g. Manure	Kg.	11690	1.00	11690.00
h. Fertilizer				
Urea	Kg.	65	25.00	1625.00
D.A.P	Kg.	45	50.00	2250.00
Potash	Kg.	40	36.00	1440.00
i. Plant Protection Chemicals	Rs.			820.00
j. Land Lease	Rs.			9000.00
k. Management Cost	Rs.			1500.00
l. Interest on Variable Cost	Rs.			6858.40
2. Fixed Cost	Rs.			257.00
a. Land Tax	Rs.			50.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			84.00
d. Depreciation	Rs.			98.00
3. Total Costs	Rs.			178575.40
4. Gross Income at Farm Gate	Rs.			514256.00
a. Main Product	Kg.	6220	82.20	511284.00
b. By-Product	Mutha	743	4.00	2972.00
5. Net Profit at Farm Gate	Rs.			335680.60
6. Production Cost per Quintal	Rs.			2823.21
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	Rs.			1555.00
b. Value at Market	Kg.	5909	92.35	545696.15
c. Net Profit	Rs.			368537.75

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Rautahat

Crop: Garlic
Variety: Chinese
Sowing Time: Chaitra/Bashakh

Year: 2015/2016
Condition : Irrigated/Main Season
Harvesting Time: Ashad/Shrawan

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			201702.80
a. Human Labor	Days	199	400.00	79600.00
b. Bullock Labor	Days	3	660.00	1980.00
c. Tractor Use	Hours	8	900.00	7200.00
d. Pumpset Use	Hours	10	225.00	2250.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	530	120.00	63600.00
g. Manure	Kg.	12340	1.25	15425.00
h. Fertilizer				
Urea	Kg.	75	24.00	1800.00
D.A.P	Kg.	55	51.00	2805.00
Potash	Kg.	35	35.00	1225.00
i. Plant Protection Chemicals	Rs.			1400.00
j. Land Lease	Rs.			13500.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			7757.80
2. Fixed Cost	<u>Rs.</u>			270.00
a. Land Tax	Rs.			55.00
b. Water Tax	Rs.			25.00
c. Repair and Maintenance	Rs.			94.00
d. Depreciation	Rs.			96.00
3. Total Costs	<u>Rs.</u>			201972.80
4. Gross Income at Farm Gate	<u>Rs.</u>			484053.00
a. Main Product	Kg.	6685	72.20	482657.00
b. By-Product	Mutha	698	2.00	1396.00
5. Net Profit at Farm Gate	<u>Rs.</u>			282080.20
6. Production Cost per Quintal	<u>Rs.</u>			3000.40
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			1671.25
b. Value at Market	<u>Kg.</u>	6350.75	80.25	509647.69
c. Net Profit	<u>Rs.</u>			307399.64

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Nawalparasi

Crop: Garlic
 Variety: Chinese
 Sowing Time: Chaitra/Bashakh

Year: 2015/2016
 Condition : Irrigated/Main Season
 Harvesting Time: Ashad/Shrawan

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			198811.60
a. Human Labor	Days	192	390.00	74880.00
b. Bullock Labor	Days	4	625.00	2500.00
c. Tractor Use	Hours	9	875.00	7875.00
d. Pumpset Use	Hours	10	200.00	2000.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	535	122.00	65270.00
g. Manure	Kg.	12960	1.00	12960.00
h. Fertilizer				
Urea	Kg.	90	25.00	2250.00
D.A.P	Kg.	70	50.00	3500.00
Potash	Kg.	45	36.00	1620.00
i. Plant Protection Chemicals	Rs.			1650.00
j. Land Lease	Rs.			13500.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			7646.60
2. Fixed Cost	<u>Rs.</u>			276.00
a. Land Tax	Rs.			58.00
b. Water Tax	Rs.			30.00
c. Repair and Maintenance	Rs.			92.00
d. Depreciation	Rs.			96.00
3. Total Costs	<u>Rs.</u>			199087.60
4. Gross Income at Farm Gate	<u>Rs.</u>			507446.00
a. Main Product	Kg.	6980	72.50	506050.00
b. By-Product	Mutha	698	2.00	1396.00
5. Net Profit at Farm Gate	Rs.			308358.40
6. Production Cost per Quintal	Rs.			2832.26
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			1745.00
b. Value at Market	<u>Kg.</u>	6631	76.75	508929.25
c. Net Profit	<u>Rs.</u>			309492.65

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Therathum

Crop: Ginger
Variety: Nase
Sowing Time: Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	Rs.			474208.00
a. Human Labor	Days	138	380.00	52440.00
b. Bullock Labor	Days	12	675.00	8100.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	10	25.00	250.00
f. Seed	Kg.	3750	80.00	300000.00
g. Manure	Kg.	13210	1.00	13210.00
h. Fertilizer				
Urea	Kg.	100	24.00	2400.00
D.A.P	Kg.	70	50.00	3500.00
Potash	Kg.	0	0.00	0.00
i. Plant Protection Chemicals	Rs.			1500.00
j. Management Cost	Rs.			6000.00
k. Land Lease	Rs.			36000.00
k. Interest on Variable Cost	Rs.			50808.00
2. Fixed Cost	Rs.			652.00
a. Land Tax	Rs.			132.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			232.00
d. Depreciation	Rs.			288.00
3. Total Costs	Rs.			474860.00
4. Gross Income at Farm Gate	Rs.			822070.00
a. Main Product	Kg.	20868.00		822070.00
i. Fresh Ginger	Kg.	14610.00	35.00	511350.00
ii. Bruni	Kg.	3238.00	40.00	129520.00
iii. Seed	Kg.	3020.00	60.00	181200.00
5. Net Profit at Farm Gate	Rs.			347210.00
6. Production Cost Per Quintal	Rs.			2275.54
i. Fresh Ginger	Rs.			3250.24
ii. Bruni	Rs.			14665.23
iii. Seed	Rs.			15723.84
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	Rs.			5217.00
b. Value at Market	Kg.	19824.6	60.00	1189476.00
c. Net Profit	Rs.			709399.00

Note: Cost per Quintal is presented by adding all the three kinds of products shown individually.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Palpa

Crop: Ginger
Variety: Nase
Sowing Time: Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			466295.20
a. Human Labor	Days	137	375.00	51375.00
b. Bullock Labor	Days	5	700.00	3500.00
c. Power Tiller Use	Hours	8	550.00	4400.00
d. Pumpset Use	Hours	7	250.00	1750.00
e. Sprayer Use	Hours	11	20.00	220.00
f. Seed	Kg.	3730	78.00	290940.00
g. Manure	Kg.	13175	1.00	13175.00
h. Fertilizer				
Urea	Kg.	100	25.00	2500.00
D.A.P	Kg.	75	51.00	3825.00
Potash	Kg.	50	36.00	1800.00
i. Plant Protection Chemicals	Rs.			850.00
j. Management Cost	Rs.			6000.00
k. Land Lease	Rs.			36000.00
k. Interest on Variable Cost	Rs.			49960.20
2. Fixed Cost	<u>Rs.</u>			694.00
a. Land Tax	Rs.			148.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			270.00
d. Depreciation	Rs.			276.00
3. Total Costs	<u>Rs.</u>			466989.20
4. Gross Income at Farm Gate	<u>Rs.</u>			810320.00
a. Main Product	Kg.	18830.00		810320.00
i. Fresh Ginger	Kg.	12600.00	38.00	478800.00
ii. Bruni	Kg.	3220.00	45.00	144900.00
iii. Seed	Kg.	3010.00	62.00	186620.00
5. Net Profit at Farm Gate	<u>Rs.</u>			343330.80
6. Production Cost Per Quintal	<u>Rs.</u>			2480.03
i. Fresh Ginger	Rs.			3706.26
ii. Bruni	Rs.			14502.77
iii. Seed	Rs.			15514.59
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			4707.50
b. Value at Market	<u>Kg.</u>	17888.5	62.00	1109087.00
c. Net Profit	<u>Rs.</u>			637390.30

Note: Cost per Quintal is presented by adding all the three kinds of products shown individually.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Pyuthan

Crop: Ginger
Variety: Nase
Sowing Time: Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	Rs.			470428.00
a. Human Labor	Days	135	350.00	47250.00
b. Bullock Labor	Days	5	580.00	2900.00
c. Power Tiller Use	Hours	8	550.00	4400.00
d. Pumpset Use	Hours	6	200.00	1200.00
e. Sprayer Use	Hours	12	20.00	240.00
f. Seed	Kg.	3710	81.00	300510.00
g. Manure	Kg.	13155	1.00	13155.00
h. Fertilizer				
Urea	Kg.	90	25.00	2250.00
D.A.P	Kg.	70	50.00	3500.00
Potash	Kg.	45	36.00	1620.00
i. Plant Protection Chemicals	Rs.			1000.00
j. Management Cost	Rs.			6000.00
k. Land Lease	Rs.			36000.00
k. Interest on Variable Cost	Rs.			50403.00
2. Fixed Cost	Rs.			682.00
a. Land Tax	Rs.			144.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			252.00
d. Depreciation	Rs.			286.00
3. Total Costs	Rs.			471110.00
4. Gross Income at Farm Gate	Rs.			778770.00
a. Main Product	Kg.	18758.00		778770.00
i. Fresh Ginger	Kg.	12550.00	35.00	439250.00
ii. Bruni	Kg.	3200.00	45.00	144000.00
iii. Seed	Kg.	3008.00	65.00	195520.00
5. Net Profit at Farm Gate	Rs.			307660.00
6. Production Cost Per Quintal	Rs.			2511.52
i. Fresh Ginger	Rs.			3753.86
ii. Bruni	Rs.			14722.19
iii. Seed	Rs.			15661.90
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	Rs.			4689.50
b. Value at Market	Kg.	17820.1	62.00	1104846.20
c. Net Profit	Rs.			629046.70

Note: Cost per Quintal is presented by adding all the three kinds of products shown individually.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Khotang

Crop: Ginger
Variety: Nase
Sowing Time: Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			473138.40
a. Human Labor	Days	138	380.00	52440.00
b. Bullock Labor	Days	6	625.00	3750.00
c. Power Tiller Use	Hours	7	550.00	3850.00
d. Pumpset Use	Hours	7	250.00	1750.00
e. Sprayer Use	Hours	10	25.00	250.00
f. Seed	Kg.	3740	79.00	295460.00
g. Manure	Kg.	13210	1.00	13210.00
h. Fertilizer				
Urea	Kg.	110	25.00	2750.00
D.A.P	Kg.	80	52.00	4160.00
Potash	Kg.	55	35.00	1925.00
i. Plant Protection Chemicals	Rs.			900.00
j. Management Cost	Rs.			6000.00
k. Land Lease	Rs.			36000.00
k. Interest on Variable Cost	Rs.			50693.40
2. Fixed Cost	<u>Rs.</u>			673.00
a. Land Tax	Rs.			136.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			255.00
d. Depreciation	Rs.			282.00
3. Total Costs	<u>Rs.</u>			473811.40
4. Gross Income at Farm Gate	<u>Rs.</u>			857732.00
a. Main Product	Kg.	18838.00		857732.00
i. Fresh Ginger	Kg.	12610.00	40.00	504400.00
ii. Bruni	Kg.	3218.00	49.00	157682.00
iii. Seed	Kg.	3010.00	65.00	195650.00
5. Net Profit at Farm Gate	Rs.			383920.60
6. Production Cost Per Quintal	Rs.			2515.19
i. Fresh Ginger	Rs.			3757.43
ii. Bruni	Rs.			14723.78
iii. Seed	Rs.			15741.24
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			4709.50
b. Value at Market	<u>Kg.</u>	17896.1	61.00	1091662.10
c. Net Profit	<u>Rs.</u>			613141.20

Note: Cost per Quintal is presented by adding all the three kinds of products shown individually.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Doti

Crop: Ginger
 Variety: Bose
 Sowing Time: Falgun

Year: 2015/2016
 Condition : Rainfed/Main Season
 Harvesting Time: Bhadra/Aswin

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	Rs.			489792.80
a. Human Labor	Days	152	350.00	53200.00
b. Bullock Labor	Days	20	525.00	10500.00
c. Power Tiller Use	Hours			0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	11	20.00	220.00
f. Seed	Kg.	3780	82.00	309960.00
g. Manure	Kg.	13455	1.00	13455.00
h. Fertilizer				
Urea	Kg.	80	25.00	2000.00
D.A.P	Kg.	70	52.00	3640.00
Potash	Kg.	40	36.00	1440.00
i. Plant Protection Chemicals	Rs.			900.00
j. Land Lease	Rs.			36000.00
k. Management Cost				6000.00
l. Interest on Variable Cost	Rs.			52477.80
2. Fixed Cost	Rs.			675.00
a. Land Tax	Rs.			147.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			246.00
d. Depreciation	Rs.			282.00
3. Total Costs	Rs.			490467.80
4. Gross Income at Farm Gate	Rs.			860695.00
a. Main Product	Kg.	18530.00		860695.00
i. Fresh Ginger	Kg.	12320.00	41.00	505120.00
ii. Bruni	Kg.	3205.00	50.00	160250.00
iii. Seed	Kg.	3005.00	65.00	195325.00
5. Net Profit at Farm Gate	Rs.			370227.20
6. Production Cost Per Quintal	Rs.			2646.89
i. Fresh Ginger	Rs.			3981.07
ii. Bruni	Rs.			15303.21
iii. Seed	Rs.			16321.72
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	Rs.			4632.50
b. Value at Market	Kg.	17603.5	65.00	1144227.50
c. Net Profit	Rs.			649127.20

Note: Cost per Quintal is presented by adding all the three kinds of products shown individually.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Kailali

Crop: Ginger
Variety: Nase
Sowing Time: Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			459132.80
a. Human Labor	Days	112	425.00	47600.00
b. Bullock Labor	Days	6	650.00	3900.00
c. Tractor Use	Hours	7	950.00	6650.00
d. Pumpset Use	Hours	7	250.00	1750.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	3750	76.00	285000.00
g. Manure	Kg.	13210	1.00	13210.00
h. Fertilizer				
Urea	Kg.	110	25.00	2750.00
D.A.P	Kg.	80	50.00	4000.00
Potash	Kg.	55	36.00	1980.00
i. Plant Protection Chemicals	Rs.			900.00
j. Management Cost	Rs.			6000.00
k. Land Lease	Rs.			36000.00
k. Interest on Variable Cost	Rs.			49192.80
2. Fixed Cost	<u>Rs.</u>			813.00
a. Land Tax	Rs.			180.00
b. Water Tax	Rs.			60.00
c. Repair and Maintenance	Rs.			276.00
d. Depreciation	Rs.			297.00
3. Total Costs	<u>Rs.</u>			459945.80
4. Gross Income at Farm Gate	<u>Rs.</u>			796986.00
a. Main Product	Kg.	18248.00		796986.00
i. Fresh Ginger	Kg.	12110.00	38.00	460180.00
ii. Bruni	Kg.	3118.00	47.00	146546.00
iii. Seed	Kg.	3020.00	63.00	190260.00
5. Net Profit at Farm Gate	<u>Rs.</u>			337040.20
6. Production Cost Per Quintal	<u>Rs.</u>			2520.53
i. Fresh Ginger	Rs.			3798.07
ii. Bruni	Rs.			14751.31
iii. Seed	Rs.			15229.99
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			4562.00
b. Value at Market	<u>Kg.</u>	17335.6	60.00	1040136.00
c. Net Profit	<u>Rs.</u>			575628.20

Note: Cost per Quintal is presented by adding all the three kinds of products shown individually.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Salyan

Crop: Ginger
Variety: Bose
Sowing Time: Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	Rs.			474908.00
a. Human Labor	Days	137	360.00	49320.00
b. Bullock Labor	Days	12	625.00	7500.00
c. Power Tiller Use	Hours	0	0.00	0.00
d. Pumpset Use	Hours	0	0.00	0.00
e. Sprayer Use	Hours	11	20.00	220.00
f. Seed	Kg.	3735	81.00	302535.00
g. Manure	Kg.	13175	1.00	13175.00
h. Fertilizer				
Urea	Kg.	100	25.00	2500.00
D.A.P	Kg.	75	55.00	4125.00
Potash	Kg.	50	36.00	1800.00
i. Plant Protection Chemicals	Rs.			850.00
j. Management Cost	Rs.			6000.00
k. Land Lease	Rs.			36000.00
k. Interest on Variable Cost	Rs.			50883.00
2. Fixed Cost	Rs.			723.00
a. Land Tax	Rs.			141.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			288.00
d. Depreciation	Rs.			294.00
3. Total Costs	Rs.			475631.00
4. Gross Income at Farm Gate	Rs.			940130.00
a. Main Product	Kg.	19615.00		940130.00
i. Fresh Ginger	Kg.	13210.00	44.00	581240.00
ii. Bruni	Kg.	3360.00	47.00	157920.00
iii. Seed	Kg.	3045.00	66.00	200970.00
5. Net Profit at Farm Gate	Rs.			464499.00
6. Production Cost Per Quintal	Rs.			2424.83
i. Fresh Ginger	Rs.			3600.54
ii. Bruni	Rs.			14155.68
iii. Seed	Rs.			15620.07
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	Rs.			4903.75
b. Value at Market	Kg.	18634.25	65.00	1211226.25
c. Net Profit	Rs.			730691.50

Note: Cost per Quintal is presented by adding all the three kinds of products shown individually.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Dhankuta

Crop: Ginger
Variety: Nase
Sowing Time: Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Bhadra/Aswin

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			493579.52
a. Human Labor	Days	141	375.00	52875.00
b. Bullock Labor	Days	5	625.00	3125.00
c. Power Tiller Use	Hours	10	550.00	5500.00
d. Pumpset Use	Hours	10	250.00	2500.00
e. Sprayer Use	Hours	10	25.00	250.00
f. Seed	Kg.	3910	80.00	312800.00
g. Manure	Kg.	13346	1.00	13346.00
h. Fertilizer				
Urea	Kg.	110	24.00	2640.00
D.A.P	Kg.	75	50.00	3750.00
Potash	Kg.	10	36.00	360.00
i. Plant Protection Chemicals	Rs.			1550.00
j. Management Cost	Rs.			6000.00
k. Land Lease	Rs.			36000.00
k. Interest on Variable Cost	Rs.			52883.52
2. Fixed Cost	<u>Rs.</u>			708.00
a. Land Tax	Rs.			132.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			282.00
d. Depreciation	Rs.			294.00
3. Total Costs	<u>Rs.</u>			494287.52
4. Gross Income at Farm Gate	<u>Rs.</u>			741246.00
a. Main Product	Kg.	18461.00		741246.00
i. Fresh Ginger	Kg.	12190.00	35.00	426650.00
ii. Bruni	Kg.	3235.00	40.00	129400.00
iii. Seed	Kg.	3036.00	61.00	185196.00
5. Net Profit at Farm Gate	Rs.			246958.48
6. Production Cost Per Quintal	Rs.			2677.47
i. Fresh Ginger	Rs.			4054.86
ii. Bruni	Rs.			15279.37
iii. Seed	Rs.			16280.88
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			4615.25
b. Value at Market	<u>Kg.</u>	17537.95	63.00	1104890.85
c. Net Profit	<u>Rs.</u>			605988.08

Note: Cost per Quintal is presented by adding all the three kinds of products shown individually.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Pyuthan

Crop: Turmeric
Variety: Nepali Local
Sowing Time: Magh/Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Shrawan/Bhadra

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	Rs.			201611.30
a. Human Labor	Days	139	350.00	48650.00
b. Bullock Labor	Days	14	580.00	8120.00
c. Power Tiller Use	Hours			0.00
d. Pumpset Use	Hours			0.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	2000	50.00	100000.00
g. Manure	Kg.	4853	1.00	4853.00
h. Fertilizer				
Urea	Kg.			0.00
D.A.P	Kg.			0.00
Potash	Kg.			0.00
i. Plant Protection Chemicals	Rs.			500.00
j. Land Lease	Rs.			3000.00
k. Management Cost	Rs.			18000.00
l. Interest on Variable Cost	Rs.			18328.30
2. Fixed Cost	Rs.			704.00
a. Land Tax	Rs.			144.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			272.00
d. Depreciation	Rs.			288.00
3. Total Costs	Rs.			202315.30
4. Gross Income at Farm Gate	Rs.			328900.00
a. Main Product	Kg.	14950	22.00	328900.00
5. Net Profit at Farm Gate	Rs.			126584.70
6. Production Cost per Quintal	Rs.			1353.28
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	Rs.			3737.50
b. Value at Market	Kg.	14202.50	29.50	418973.75
c. Net Profit	Rs.			212920.95

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Gorkha

Crop: Turmeric
Variety: Nepali Local
Sowing Time: Magh/Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Shrawan/Bhadra

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			203816.80
a. Human Labor	Days	135	380.00	51300.00
b. Bullock Labor	Days	15	700.00	10500.00
c. Power Tiller Use	Hours			0.00
d. Pumpset Use	Hours			0.00
e. Sprayer Use	Hours	10	20.00	200.00
f. Seed	Kg.	1950	50.00	97500.00
g. Manure	Kg.	4138	1.00	4138.00
h. Fertilizer				
Urea	Kg.			0.00
D.A.P	Kg.			0.00
Potash	Kg.			0.00
i. Plant Protection Chemicals	Rs.			650.00
j. Land Lease	Rs.			18000.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			18528.80
2. Fixed Cost	<u>Rs.</u>			681.00
a. Land Tax	Rs.			126.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			270.00
d. Depreciation	Rs.			285.00
3. Total Costs	<u>Rs.</u>			204497.80
4. Gross Income at Farm Gate	<u>Rs.</u>			386250.00
a. Main Product	Kg.	15450	25.00	386250.00
5. Net Profit at Farm Gate	<u>Rs.</u>			181752.20
6. Production Cost per Quintal	<u>Rs.</u>			1323.61
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			3862.50
b. Value at Market	<u>Kg.</u>	14677.50	32.00	469680.00
c. Net Profit	<u>Rs.</u>			261319.70

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Khotang

Crop: Turmeric
Variety: Nepali Local
Sowing Time: Magh/Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Shrawan/Bhadra

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			218171.80
a. Human Labor	Days	130	380.00	49400.00
b. Bullock Labor	Days	15	625.00	9375.00
c. Power Tiller Use	Hours			0.00
d. Pumpset Use	Hours			0.00
e. Sprayer Use	Hours	8	25.00	200.00
f. Seed	Kg.	1900	60.00	114000.00
g. Manure	Kg.	3763	1.00	3763.00
h. Fertilizer				
Urea	Kg.			0.00
D.A.P	Kg.			0.00
Potash	Kg.			0.00
i. Plant Protection Chemicals	Rs.			600.00
j. Land Lease	Rs.			18000.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			19833.80
2. Fixed Cost	<u>Rs.</u>			673.00
a. Land Tax	Rs.			136.00
b. Water Tax	Rs.			0.00
c. Repair and Maintenance	Rs.			255.00
d. Depreciation	Rs.			282.00
3. Total Costs	<u>Rs.</u>			218844.80
4. Gross Income at Farm Gate	<u>Rs.</u>			378120.00
a. Main Product	Kg.	15755	24.00	378120.00
5. Net Profit at Farm Gate	<u>Rs.</u>			159275.20
6. Production Cost per Quintal	<u>Rs.</u>			1389.05
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			3938.75
b. Value at Market	<u>Kg.</u>	14967	30.50	456501.13
c. Net Profit	<u>Rs.</u>			233717.58

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Salyan

Crop: Turmeric
Variety: Nepali Local
Sowing Time: Magh/Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Shrawan/Bhadra

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			213683.80
a. Human Labor	Days	126	360.00	45360.00
b. Bullock Labor	Days	15	625.00	9375.00
c. Power Tiller Use	Hours			0.00
d. Pumpset Use	Hours			0.00
e. Sprayer Use	Hours	8	20.00	160.00
f. Seed	Kg.	1900	60.00	114000.00
g. Manure	Kg.	3763	1.00	3763.00
h. Fertilizer				
Urea	Kg.			0.00
D.A.P	Kg.			0.00
Potash	Kg.			0.00
i. Plant Protection Chemicals	Rs.			600.00
j. Land Lease	Rs.			18000.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			19425.80
2. Fixed Cost	<u>Rs.</u>			717.00
a. Land Tax	Rs.			141.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			282.00
d. Depreciation	Rs.			294.00
3. Total Costs	<u>Rs.</u>			214400.80
4. Gross Income at Farm Gate	<u>Rs.</u>			371565.00
a. Main Product	Kg.	16155	23.00	371565.00
5. Net Profit at Farm Gate	<u>Rs.</u>			157164.20
6. Production Cost per Quintal	<u>Rs.</u>			1327.15
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			4038.75
b. Value at Market	<u>Kg.</u>	15347.25	30.50	468091.13
c. Net Profit	<u>Rs.</u>			249651.58

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE

District: Doti

Crop: Turmeric
Variety: Nepali Local
Sowing Time: Magh/Falgun

Year: 2015/2016
Condition : Rainfed/Main Season
Harvesting Time: Shrawan/Bhadra

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
1. Variable Cost	<u>Rs.</u>			220688.60
a. Human Labor	Days	136	350.00	47600.00
b. Bullock Labor	Days	15	525.00	7875.00
c. Power Tiller Use	Hours			0.00
d. Pumpset Use	Hours			0.00
e. Sprayer Use	Hours	11	20.00	220.00
f. Seed	Kg.	1990	60.00	119400.00
g. Manure	Kg.	3956	1.00	3956.00
h. Fertilizer				
Urea	Kg.			0.00
D.A.P	Kg.			0.00
Potash	Kg.			0.00
i. Plant Protection Chemicals	Rs.			575.00
j. Land Lease	Rs.			18000.00
k. Management Cost	Rs.			3000.00
l. Interest on Variable Cost	Rs.			20062.60
2. Fixed Cost	<u>Rs.</u>			681.00
a. Land Tax	Rs.			147.00
b. Water Tax	Rs.			
c. Repair and Maintenance	Rs.			246.00
d. Depreciation	Rs.			288.00
3. Total Costs	<u>Rs.</u>			221369.60
4. Gross Income at Farm Gate	<u>Rs.</u>			343125.00
a. Main Product	Kg.	15250	22.50	343125.00
5. Net Profit at Farm Gate	<u>Rs.</u>			121755.40
6. Production Cost per Quintal	<u>Rs.</u>			1451.60
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
a. Marketing Cost	<u>Rs.</u>			3812.50
b. Value at Market	<u>Kg.</u>	14488	29.50	427381.25
c. Net Profit	<u>Rs.</u>			202199.15

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE DISTRICT: Sunkuwasabha

Crop: Cardamom

Variety: Ramsai

Planting Time: Jestha/Shrawan

Year: 2015/2016

Condition : Irrigated/Main Season

Harvesting Time: Magh/Faigun

Years	1-3 Years		4-5 Years		6 Years Onwards		
	Units	Quantity	Rs/Unit	Total	Quantity	Rs/Unit	Total
A. AVERAGE COST OF PRODUCTION							
1. Variable Cost							
a. Human Labor	Rs.	305	380.00	302433.60	250	418.00	222981.15
b. Bullock Labor	Days	0	0.00	0.00	0	0.00	0.00
c. Power Tiller Use	Hours	0	0.00	0.00	0	0.00	0.00
d. Pumpset Use	Hours	50	225.00	11250.00	50	247.50	12375.00
e. Sprayer Use	Hours	30	20.00	600.00	30	22.00	660.00
f. Plant Numbers	No.	6000	12.00	72000.00	600	13.20	7920.00
g. Manure	Kg.	16000	1.00	16000.00	12000	1.10	13200.00
h. Fertilizer							
Urea	Kg.	120	25.00	3000.00	80	27.50	2200.00
D.A.P	Kg.	60	53.00	3180.00	45	58.30	2623.50
Potash	Kg.	60	35.00	2100.00	40	38.50	1540.00
i. Plant Protection Chemicals	Rs.		4000.00	4000.00			4400.00
j. Land Lease	Rs.		36000.00	36000.00			39600.00
k. Management Cost			6000.00	6000.00			6600.00
l. Interest on Variable Cost			32403.60	32403.60			27362.65
2. Fixed Cost							
a. Land Tax	Rs.		685.00	685.00			753.50
b. Water Tax	Rs.		144.00	144.00			158.40
c. Repair and Maintenance	Rs.		0.00	0.00			0.00
d. Depreciation	Rs.		256.00	256.00			281.60
3. Total Costs							
	Rs.		285.00	285.00			313.50
4. Gross Income at Farm Gate							
a. Main Product	Kg.		0.00	0.00	150	2156.00	323400.00
5. Net Profit at Farm Gate							
	Rs.		0.00	0.00			99665.35
6. Production Cost Per Quintal							
	Rs.						149156.43
B. MARKETING AT NEAREST WHOLESAL MARKET							
a. Marketing Cost	Rs.						18.00
b. Value at Market	Kg.		2300.00		127.5	2530.00	322575.00
c. Net Profit							
	Rs.						98822.35
							78.00
							1537607.50
							1291873.06

Note: The study is carried in plantation year. 2-3 years' old orchard and 5-10 years' old orchard. The variable and fixed costs and market prices operation cost of the 1st year is reported as per the current fiscal year prices. However quantities of variables used are reported as per the survey and the prices has been reported as 10% raise in 4-5th years and 10% raise in 6th-10th years. As reported in the survey, full production is achieved only after 5th year and on the 4-5th year only 20% production can be achieved.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE DISTRICT: Gorkha

Crop: Cardamom

Variety: Ramsai

Planting Time: Jestha/Shrawan

Year: 2015/2016

Condition : Irrigated/Main Season

Harvesting Time: Magh/Falgun

Particulars	Units	1-3 Years			4-5 Years			6 Years Onwards		
		Quantity	Rs/Unit	Total	Quantity	Rs/Unit	Total	Quantity	Rs/Unit	Total
A. AVERAGE COST OF PRODUCTION										
1. Variable Cost										
a. Human Labor	Days	310	380.00	117800.00	250	418.00	104500.00	275	459.80	126445.00
b. Bullock Labor	Days	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
c. Power Tiller Use	Hours	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
d. Pumpset Use	Hours	50	250.00	12500.00	50	275.00	13750.00	50	302.50	15125.00
e. Sprayer Use	Hours	30	25.00	750.00	30	27.50	825.00	30	30.25	907.50
f. Plant Numbers	No.	6000	12.00	72000.00	600	13.20	7920.00			0.00
g. Manure	Kg.	16000	1.00	16000.00	12000	1.10	13200.00	12000	1.21	14520.00
h. Fertilizer										
Urea	Kg.	120	25.00	3000.00	80	27.50	2200.00	80	30.25	2420.00
D.A.P	Kg.	60	50.00	3000.00	45	55.00	2475.00	45	60.50	2722.50
Potash	Kg.	60	36.00	2160.00	40	39.60	1584.00	40	43.56	1742.40
i. Plant Protection Chemicals	Rs.			4000.00			4400.00			4840.00
j. Land Lease	Rs.			36000.00			39600.00			43560.00
k. Management Cost				6000.00			6600.00			7260.00
l. Interest on Variable Cost	Rs.			32785.20			27580.70			29654.77
2. Fixed Cost	Rs.			691.00			760.10			836.11
a. Land Tax	Rs.			136.00			149.60			164.56
b. Water Tax	Rs.			0.00			0.00			0.00
c. Repair and Maintenance	Rs.			270.00			297.00			326.70
d. Depreciation	Rs.			285.00			313.50			344.85
3. Total Costs	Rs.			306686.20			225394.80			250033.28
4. Gross Income at Farm Gate	Rs.			0.00			304645.00			1479104.00
a. Main Product	Kg.		1910.00	0.00	145	2101.00	304645.00	640	2311.10	1479104.00
5. Net Profit at Farm Gate	Rs.						79250.20			1229070.72
6. Production Cost Per Quintal	Rs.						155444.69			39067.70
B. MARKETING AT NEAREST WHOLESALE MARKET										
a. Marketing Cost	Rs.						17.40			76.80
b. Value at Market	Kg.		2300.00		123.25	2530.00	311822.50	544	2783.00	1513952.00
c. Net Profit	Rs.						86410.30			1263841.92

Note: The study is carried in plantation year, 2-3 years, 4-5 years' old orchard and 5-10 years old orchard. The variable and fixed costs and market prices operation cost of the 1st year is reported as per the current fiscal year prices. However quantities of variables used are reported as per the survey and the prices has been reported as 10% raise in 4-5th years and 10% raise in 6th-10th years. As reported in the survey, full production is achieved only after 5th year and on the 4-5th year only 20% production can be achieved.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE DISTRICT: Illam

Crop: Cardamom

Variety: Ramsai

Planting Time: Jestha/Shrawan

Year: 2015/2016

Condition : Irrigated/Main Season

Harvesting Time: Magh/Faigun

Years	Particulars	Units	1-3 Years			4-5 Years			6 Years Onwards		
			Quantity	Rs/Unit	Total	Quantity	Rs/Unit	Total	Quantity	Rs/Unit	Total
A. AVERAGE COST OF PRODUCTION											
1. Variable Cost											
	a. Human Labor	Days	312	400.00	311718.40			225927.97			250156.77
	b. Bullock Labor	Days	0	0.00	0.00	245	440.00	107800.00	268	484.00	129712.00
	c. Power Tiller Use	Hours	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
	d. Pumpset Use	Hours	52	225.00	11700.00	52	247.50	12870.00	52	272.25	14157.00
	e. Sprayer Use	Hours	32	20.00	640.00	32	22.00	704.00	32	24.20	774.40
	f. Plant Numbers	No.	6000	12.00	72000.00	600	13.20	7920.00			0.00
	g. Manure	Kg.	15850	1.00	15850.00	11855	1.10	13040.50	11855	1.21	14344.55
	h. Fertilizer										
	Urea	Kg.	110	25.00	2750.00	75	27.50	2062.50	75	30.25	2268.75
	D.A.P	Kg.	60	50.00	3000.00	40	55.00	2200.00	40	60.50	2420.00
	Potash	Kg.	55	36.00	1980.00	35	39.60	1386.00	35	43.56	1524.60
	i. Plant Protection Chemicals	Rs.			3600.00			3960.00			4356.00
	j. Land Lease	Rs.			36000.00			39600.00			43560.00
	k. Management Cost				6000.00			6600.00			7260.00
	l. Interest on Variable Cost	Rs.			33398.40			27784.97			29779.47
	2. Fixed Cost	Rs.			723.00			795.30			874.83
	a. Land Tax	Rs.			150.00			165.00			181.50
	b. Water Tax	Rs.			0.00			0.00			0.00
	c. Repair and Maintenance	Rs.			279.00			306.90			337.59
	d. Depreciation	Rs.			294.00			323.40			355.74
	3. Total Costs	Rs.			312441.40			226723.27			251031.60
	4. Gross Income at Farm Gate	Rs.			0.00			321750.00			1505361.00
	a. Main Product	Kg.		1950.00	0.00	150	2145.00	321750.00	638	2359.50	1505361.00
	5. Net Profit at Farm Gate	Rs.						95026.73			1254329.40
	6. Production Cost Per Quintal	Rs.						151148.85			39346.65
B. MARKETING AT NEAREST WHOLESALE MARKET											
	a. Marketing Cost	Rs.						18.00			76.56
	b. Value at Market	Kg.		2300.00		127.5	2530.00	322575.00	542.3	2783.00	1509220.90
	c. Net Profit	Rs.						95833.73			1258112.74

Note: The study is carried in plantation year. 2-3 years, 4-5 years' old orchard and 5-10 years' old orchard. The variable and fixed costs and market prices operation cost of the 1st year is reported as per the current fiscal year prices. However quantities of variables used are reported as per the survey and the prices has been reported as 10% raise in 4-5th years and 10% raise in 6th-10th years. As reported in the survey, full production is achieved only after 5th year and on the 4-5th year only 20% production can be achieved.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE DISTRICT: Lamjung

Crop: Cardamom

Variety: Ramsai

Planting Time: Jestha/Shrawan

Year: 2015/2016

Condition : Irrigated/Main Season

Harvesting Time: Magh/Falgun

Particulars	Years			1-3 Years			4-5 Years			6 Years Onwards			
	Units	Quantity	Rs/Unit	Total	Quantity	Rs/Unit	Total	Quantity	Rs/Unit	Total	Quantity	Rs/Unit	Total
A. AVERAGE COST OF PRODUCTION													
1. Variable Cost	Rs.			307372.80			22352.66			250056.69			
a. Human Labor	Days	302	400.00	120800.00	240	440.00	105600.00	268	484.00	129712.00			
b. Bullock Labor	Days	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00			
c. Power Tiller Use	Hours	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00			
d. Pumpset Use	Hours	52	225.00	11700.00	52	247.50	12870.00	52	272.25	14157.00			
e. Sprayer Use	Hours	32	20.00	640.00	32	22.00	704.00	32	24.20	774.40			
f. Plant Numbers	No.	6000	12.00	72000.00	600	13.20	7920.00	11855	1.10	13040.50			
g. Manure	Kg.	15850	1.00	15850.00	11855								
h. Fertilizer													
Urea	Kg.	110	25.00	2750.00	70	27.50	1925.00	70	30.25	2117.50			
D.A.P	Kg.	60	52.00	3120.00	40	57.20	2288.00	40	62.92	2516.80			
Potash	Kg.	55	36.00	1980.00	35	39.60	1386.00	35	43.56	1524.60			
i. Plant Protection Chemicals	Rs.			3600.00			3960.00			4356.00			
j. Land Lease	Rs.			36000.00			39600.00			43560.00			
k. Management Cost	Rs.			6000.00			6600.00			7260.00			
l. Interest on Variable Cost	Rs.			32932.80			27459.16			29733.84			
2. Fixed Cost	Rs.			771.00			765.60			842.16			
a. Land Tax	Rs.			147.00			161.70			177.87			
b. Water Tax	Rs.			75.00			0.00			0.00			
c. Repair and Maintenance	Rs.			261.00			287.10			315.81			
d. Depreciation	Rs.			288.00			316.80			348.48			
3. Total Costs	Rs.			308143.80			224118.26			250898.85			
4. Gross Income at Farm Gate	Rs.			0.00			303050.00			1466762.00			
a. Main Product	Kg.		1900.00	0.00	145	2090.00	303050.00	638	2299.00	1466762.00			
5. Net Profit at Farm Gate	Rs.						78931.74			1215863.15			
6. Production Cost Per Quintal	Rs.						154564.31			39325.84			
B. MARKETING AT NEAREST WHOLESAL MARKET													
a. Marketing Cost	Rs.						17.40			76.56			
b. Value at Market	Kg.		2300.00		123.25	2530.00	311822.50	542.3	2783.00	1509220.90			
c. Net Profit	Rs.						87686.84			1258245.49			

Note: The study is carried in plantation year, 2-3 years, 4-5 years' old orchard and 5-10 years old orchard. The variable and fixed costs and market prices operation cost of the 1st year is reported as per the current fiscal year prices. However quantities of variables used are reported as per the survey and the prices has been reported as 10% raise in 4-5th years and 10% raise in 6th-10th years. As reported in the survey, full production is achieved only after 5th year and on the 4-5th year only 20% production can be achieved.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE DISTRICT: Jhapa

Crop: Tea

Variety: T.V Series, Hilika, Manohari, Nagarjuli, Tinali

Year: 2015/2016

Condition: Rainfed

Particular	Unit	Establishment Year		Average 3rd Year		Average 4-5 Years		Average 6-15 years		
		Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.
A. AVERAGE COST OF PRODUCTION										
1. Variable Cost	Rs.			432779.20		112131.46		101814.19		171649.28
a. Human Labour	Day	350.00	400.00	140000.00	45.00	420.00	60.00	440.00	60.00	484.00
b. Tea Plucking Labour	Day		200.00	0.00	75.00	210.00	140.00	220.00	225.00	242.00
c. Irrigation Charge	Rs.			3000.00		3000.00		3500.00		5000.00
d. Sprayer Use	Hour	22.00	25.00	550.00	25.00	26.25	28.00	27.50	30.00	30.25
e. Plants	No.	11700.00	15.00	175500.00	97.00	1527.75	97.00	1650.50		
f. Manure	K.G.	7850.00	1.00	7850.00	1450.00	1.05	1522.50	1450.00	1450.00	1.21
g. Fertilizer	K.G.									
DAP	K.G.	130.00	50.00	6500.00	65.00	52.50	65.00	55.00	65.00	60.50
Urea	K.G.	70.00	25.00	1750.00	35.00	26.25	35.00	27.50	35.00	30.25
Potash	K.G.	36.00	35.00	1260.00	18.00	36.75	18.00	38.50	18.00	42.35
h. Plant Protection Chemicals	Rs.			4000.00		5000.00		5500.00		6050.00
i. Management Cost	Rs.			10000.00		6000.00		6600.00		7260.00
j. Land Rent	Rs.			36000.00		37800.00		37890.00		41679.00
k. Interest on Variable Cost	Rs.			46369.20		16882.21		12728.19		19754.73
2. Fixed Cost	Rs.			729.00		765.45		801.90		882.09
a. Land Tax	Rs.			144.00		151.20		158.40		174.24
b. Water Tax	Rs.			0.00		0.00				
c. Depreciation of Farm Equipment	Rs.			288.00		302.40		316.80		348.48
d. Repair & Maintenance of Farm Equipment	Rs.			297.00		311.85		326.70		359.37
3. Total Cost	Rs.			433508.20		112896.91		102616.09		172531.37
4. Gross Income at Farm Gate	Rs.			0.00		33783.75		70785.00		445945.50
a. Green Tea	K.G.	0.00	27.50	0.00	1170.00	28.88	33783.75	2340.00	30.25	70785
5. Gross Profit at Farm Gate	Rs.			-433508.20		-79113.16		-31831.09		273414.13
6. Production Cost Per Quintal	Rs.					95.49		42.85		11.29

Note: The study is carried in plantation year, 2-3 years, 4-5 years' old orchard and 5-10 years old orchard. The variable and fixed costs and market prices operation cost of the 1st year is reported as per the current fiscal year prices. However quantities of variables used are reported as per the survey and the prices has been reported as 5% raise in 2-3 years and 10% raise in 4-10 years. As far as the production is regarded, full production is harvested only after 5th year and the 4-5th year only 75% production can be achieved as per the field survey and the cutting should be done each 5th consecutive year.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE DISTRICT: Sindhupalchok

Crop: Tea

Variety: Tagda-78/383/246, Gumti, Fusring, Ambari, Benigan and Musakande

Year: 2015/2016

Condition: Rained

Particular	Unit	Establishment Year			Average 3rd Year			Average 4-5 Years			Average 6-15 years		
		Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.
A. AVERAGE COST OF PRODUCTION													
1. Variable Cost													
a. Human Labour	Rs.			467185.60			119538.83			99762.74			150882.06
Day		330.00	380.00	125400.00	40.00	399.00	15960.00	55.00	418.00	22990.00	55.00	459.80	25289.00
b. Tea Plucking Labour	Day		200.00	0.00	68.00	210.00	14280.00	125.00	220.00		200.00	242.00	48400.00
c. Irrigation Charge	Rs.			3000.00			3000.00			3500.00			5000.00
d. Sprayer Use	Hour	20.00	20.00	400.00	22.00	21.00	462.00	25.00	22.00	550.00	28.00	24.20	677.60
e. Plants	No.	11500.00	20.00	230000.00	950.00	21.00	19950.00	500.00	22.00	11000.00			
f. Manure	K.G.	5600.00	1.00	5600.00	1250.00	1.05	1312.50	1250.00	1.10	1375.00	1250.00	1.21	1512.50
g. Fertilizer	K.G.												
DAP	K.G.	125.00	53.00	6625.00	60.00	55.65	3339.00	60.00	58.30	3498.00	60.00	64.13	3847.80
Urea	K.G.	65.00	25.00	1625.00	30.00	26.25	787.50	30.00	27.50	825.00	30.00	30.25	907.50
Potash	K.G.	40.00	37.00	1480.00	20.00	38.85	777.00	20.00	40.70	814.00	20.00	44.77	895.40
h. Plant Protection Chemicals	Rs.			3000.00			4000.00			4400.00			4840.00
i. Management Cost	Rs.			10000.00			6000.00			6600.00			7260.00
j. Land Rent	Rs.			30000.00			31500.00			31575.00			34732.50
k. Interest on Variable Cost	Rs.			50055.60			18170.83			12635.74			17519.76
2. Fixed Cost	Rs.			684.00			718.20			752.40			827.64
a. Land Tax	Rs.			138.00			144.90			151.80			166.98
b. Water Tax	Rs.			0.00			0.00						
c. Depreciation of Farm Equipment	Rs.			287.00			280.35			293.70			323.07
d. Repair & Maintenance of Farm Equipment	Rs.			279.00			292.95			306.90			337.59
3. Total Cost	Rs.			467869.60			120257.03			100515.14			151709.70
4. Gross Income at Farm Gate	Rs.			0.00			31395.00			65780.00			414414.00
a. Green Tea	K.G.	0.00	26.00		1150.00	27.30	31395.00	2300.00	28.60	65780.00	13800.00	30.03	414414.00
5. Gross Profit at Farm Gate	Rs.			-467869.60			-88862.03			-34735.14			262704.30
6. Production Cost Per Quintal	Rs.						103.57			42.70			9.99

Note: The study is carried in plantation year, 2-3 years, 4-5 years' old orchard and 5-10 years old orchard. The variable and fixed costs and market prices operation cost of the 1st year is reported as per the current fiscal year prices. However quantities of variables used are reported as per the survey and the prices has been reported as 5% raise in 2-3 years and 10% raise in 4-10 years. As far as the production is regarded, full production is harvested only after 5th year and the 4-5th year only 75% production can be achieved as per the field survey and the cutting should be done each 5th consecutive year.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE DISTRICT: IILAM

Crop: Tea

Variety: T.V Series, Hilika, Manohari, Nagarjuli, Tinali

Year: 2015/2016

Condition: Rainfed

Particular	Unit	Establishment Year		Average 3rd Year		Average 4-5 Years		Average 6-15 years		
		Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.
A. AVERAGE COST OF PRODUCTION										
1. Variable Cost	Rs.			467185.60		119538.83		99762.74		150892.06
a. Human Labour	Day	375.00	400.00	150000.00	45.00	420.00	60.00	440.00	60.00	484.00
b. Tea Plucking Labour	Day		190.00	0.00	75.00	199.50	140.00	209.00	225.00	229.90
c. Irrigation Charge	Rs.			3000.00		3000.00				3500.00
d. Sprayer Use	Hour	22.00	25.00	550.00	25.00	26.25	28.00	27.50	30.00	30.25
e. Plants	No.	11700.00	15.00	175500.00	97.00	1527.75	97.00	16.50		1600.50
f. Manure	K.G.	7850.00	1.00	7850.00	1450.00	1.05	1522.50	1.10	1450.00	1.21
g. Fertilizer	K.G.									
DAP	K.G.	130.00	50.00	6500.00	65.00	52.50	65.00	55.00	65.00	60.50
Urea	K.G.	70.00	25.00	1750.00	35.00	26.25	35.00	27.50	35.00	30.25
Polash	K.G.	36.00	36.00	1296.00	18.00	37.80	18.00	39.60	18.00	43.56
h. Plant Protection Chemicals	Rs.			4000.00		5000.00		5500.00		6050.00
i. Management Cost	Rs.			10000.00		6000.00		6600.00		7260.00
j. Land Rent	Rs.			36000.00		37800.00		37800.00		41679.00
k. Interest on Variable Cost	Rs.			47573.52		17034.50		12736.84		19431.68
2. Fixed Cost	Rs.			723.00		759.15		795.50		874.83
a. Land Tax	Rs.			150.00		157.50		165.00		181.50
b. Water Tax	Rs.			0.00		0.00				
c. Depreciation of Farm Equipment	Rs.			279.00		292.95		306.90		337.59
d. Repair & Maintenance of Farm Equipment	Rs.			294.00		308.70		323.40		355.74
3. Total Cost	Rs.			444742.52		112174.50		102637.94		169500.34
4. Gross Income at Farm Gate	Rs.			0.00		33783.75		70785.00		445945.50
a. Green Tea	K.G.	0.00	27.50	0.00	1170.00	28.88	2340.00	30.25	14040.00	31.76
5. Gross Profit at Farm Gate	Rs.			-444742.52		-78990.55		-31852.94		276445.16
6. Production Cost Per Quintal	Rs.					94.88		42.86		11.07

Note: The study is carried in plantation year, 2-3 years, 4-5 years' old orchard and 5-10 years old orchard. The variable and fixed costs and market prices operation cost of the 1st year is reported as per the current fiscal year prices. However quantities of variables used are reported as per the survey and the prices has been reported as 5% raise in 2-3 years and 10% raise in 4-10 years. As far as the production is regarded, full production is harvested only after 5th year and the 4-5th year only 75% production can be achieved as per the field survey and the cutting should be done each 5th consecutive year.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE DISTRICT: Palpa

Crop: Coffee
Variety: Robusta

Year: 2015/2016
Condition: Rainfed

Particular	Unit	Establishment Year		Average 2-3 Years			Average 4-5 Years			Average 6-10 years			
		Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.
A. AVERAGE COST OF PRODUCTION													
1. Variable Cost	Rs.			217117.60		119634.11			122116.84			135881.10	
a. Human Labour	Day	275.00	375.00	103125.00	80.00	393.75	31500.00	80.00	412.50	33000.00	80.00	453.75	36300.00
b. Irrigation Charge	Rs.			3000.00		3000.00				3500.00			5000.00
c. Sprayer Use	Hour	8.00	20.00	160.00	20.00	21.00	420.00	20.00	22.00	440.00	32.00	24.20	774.40
d. Plants	Nc.	2100.00	10.00	21000.00	210.00	10.50	2205.00	210.00	11.00	2310.00			
e. Manure	K.G.	6000.00	1.00	6000.00	6600.00	1.05	6930.00	6800.00	1.10	7480.00	7200.00	1.21	8712.00
f. Fertilizer	K.G.												
DAP	K.G.	50.00	51.00	2550.00	75.00	53.55	4016.25	75.00	56.10	4207.50	115.00	61.71	7096.65
Urea	K.G.	60.00	25.00	1500.00	90.00	26.25	2362.50	90.00	27.50	2475.00	135.00	30.25	4083.75
Polash	K.G.	70.00	36.00	2520.00	50.00	37.80	1890.00	50.00	39.60	1980.00	50.00	43.56	2178.00
g. Plant Protection Chemicals	Rs.			8000.00		11000.00				11000.00			11000.00
h. Management Cost	Rs.			10000.00		5000.00				5000.00			5000.00
i. Land Lease				36000.00		36000.00				36000.00			39600.00
j. Interest on Variable Cost	Rs.			23262.60		15310.36				14724.34			16136.30
2. Fixed Cost	Rs.			663.00		696.15				729.30			802.23
a. Land Tax	Rs.			148.00		155.40				162.80			179.08
b. Water Tax	Rs.			0.00		0.00							
c. Depreciation of Farm Equipment	Rs.			239.00		250.95				262.90			289.19
d. Repair & Maintenance of Farm Equipment	Rs.			276.00		289.80				303.60			333.96
3. Total Cost	Rs.			217780.60		120330.26				122846.14			136683.33
4. Gross Income at Farm Gate	Rs.			0.00		60196.50				174338.33			251366.69
a. Main Product	K.G.	0.00	63.00	0.00	910.00	66.15	60196.50	2510.00	69.46	174338.325	3290.00	76.40	251366.6925
5. Gross Profit at Farm Gate	Rs.			-217780.60		-60133.76				51492.18			114683.37
6. Production Cost Per Quintal	Rs.									47.94			40.55

Note: The study is carried in plantation year, 2-3 years, 4-5 years' old orchard and 5-10 years old orchard. The variable and fixed costs and market prices operation cost of the 1st year is reported as per the current fiscal year prices. However quantities of variables used are reported as per the survey and the prices has been reported as 5% raise in 2-3 years and 10% raise in 4-10 years. As far as the production is regarded, full production is harvested only after 5th year and the 4-5th year only 75% production can be achieved as per the field survey.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE DISTRICT: Syangja

Crop: Coffee
Variety: Robusta (Organic)

Year: 2015/2016
Condition: Rained

Particular	Unit	Establishment Year		Average 2-3 Years		Average 4-5 Years		Average 6-10 years	
		Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price
		Value in Rs.	Value in Rs.	Value in Rs.	Value in Rs.	Value in Rs.	Value in Rs.	Value in Rs.	Value in Rs.
A. AVERAGE COST OF PRODUCTION									
1. Variable Cost		Rs.		122149.76		123515.81		132920.59	
a. Human Labour	Day	270.00	380.00	82.00	399.00	82.00	418.00	82.00	459.80
b. Irrigation Charge	Rs.		3000.00						
c. Sprayer Use	Hour	10.00	20.00	24.00	21.00	24.00	22.00	34.00	24.20
d. Plants	No.	2000.00	10.00	200.00	10.50	2100.00	11.00	200.00	
e. Manure	K.G.	120000.00	1.00	13200.00	1.05	13860.00	1.10	14960.00	1.21
f. Fertilizer	K.G.								
DAP	K.G.		0.00				0.00		0.00
Urea	K.G.		0.00				0.00		0.00
Potash	K.G.		0.00				0.00		0.00
g. Plant Protection Chemicals	Rs.		10000.00				12000.00		12000.00
h. Management Cost	Rs.		10000.00				5000.00		5000.00
i. Land Lease			36000.00				36000.00		36000.00
j. Interest on Variable Cost	Rs.		36216.00				16967.76		15051.81
2. Fixed Cost	Rs.		712.00				747.60		861.52
a. Land Tax	Rs.		135.00				141.75		163.35
b. Water Tax	Rs.		0.00				0.00		
c. Depreciation of Farm Equipment	Rs.		280.00				294.00		308.00
d. Repair & Maintenance of Farm Equipment	Rs.		297.00				311.85		326.70
3. Total Cost	Rs.		338728.00				122897.36		137382.11
4. Gross Income at Farm Gate	Rs.		0.00				60742.50		175573.13
a. Main Product	K.G.	0.00	65.00	890.00	68.25	60742.50	71.66	2450.00	78.83
5. Gross Profit at Farm Gate	Rs.		-338728.00				51274.11		114134.31
6. Production Cost Per Quintal	Rs.						49.73		41.54

Note: The study is carried in plantation year, 2-3 years, 4-5 years' old orchard and 5-10 years old orchard. The variable and fixed costs and market prices operation cost of the 1st year is reported as per the current fiscal year prices. However quantities of variables used are reported as per the survey and the prices has been reported as 5% raise in 2-3 years and 10% raise in 4-10 years. As far as the production is regarded, full production is harvested only after 5th year and the 4-5th year only 75% production can be achieved as per the field survey.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE DISTRICT: Gulmi

Crop: Coffee
Variety: Robusta (Organic)

Year: 2015/2016
Condition: Rainfed

Particular	Unit	Establishment Year		Average 2-3 Years		Average 4-5 Years		Average 6-10 years	
		Quantity	Price	Quantity	Price	Quantity	Price	Quantity	Price
		Value in Rs.	Value in Rs.	Value in Rs.	Value in Rs.	Value in Rs.	Value in Rs.	Value in Rs.	Value in Rs.
A. AVERAGE COST OF PRODUCTION									
1. Variable Cost	Rs.		332864.00		119190.56		120439.95		129542.41
a. Human Labour	Day	280.00	350.00	82.00	367.50	82.00	385.00	82.00	423.50
b. Irrigation Charge	Rs.		3000.00		3000.00				5000.00
c. Sprayer/Use	Hour	10.00	20.00	24.00	21.00	24.00	22.00	34.00	24.20
d. Plants	No.	2000.00	10.00	200.00	10.50	2100.00	11.00	2200.00	
e. Manure	K.G.	120000.00	1.00	13200.00	1.05	13860.00	1.10	14960.00	1.21
f. Fertilizer	K.G.								
DAP	K.G.		0.00		0.00		0.00		0.00
Urea	K.G.		0.00		0.00		0.00		0.00
Potash	K.G.		0.00		0.00		0.00		0.00
g. Plant Protection Chemicals	Rs.		10000.00		12000.00		12000.00		12000.00
h. Management Cost	Rs.		10000.00		5000.00		5000.00		5000.00
i. Land Lease			36000.00		36000.00		36000.00		39600.00
j. Interest on Variable Cost	Rs.		35664.00		16591.56		14681.95		15452.61
2. Fixed Cost	Rs.		702.00		737.10		772.20		849.42
a. Land Tax	Rs.		144.00		151.20		158.40		174.24
b. Water Tax	Rs.		0.00		0.00				
c. Depreciation of Farm Equipment	Rs.		285.00		299.25		313.50		344.85
d. Repair & Maintenance of Farm Equipment	Rs.		273.00		286.65		300.30		330.33
3. Total Cost	Rs.		333566.00		119927.66		121212.15		130391.83
4. Gross Income at Farm Gate	Rs.		0.00		60742.50		175573.13		255799.29
a. Main Product	K.G.	0.00	65.00	890.00	68.25	60742.50	2450.00	3245.00	78.83
5. Gross Profit at Farm Gate	Rs.		-333566.00		-59185.16		54360.98		125407.46
6. Production Cost Per Quintal	Rs.						48.47		39.18

Note: The study is carried in plantation year, 2-3 years, 4-5 years' old orchard and 5-10 years old orchard. The variable and fixed costs and market prices operation cost of the 1st year is reported as per the current fiscal year prices. However quantities of variables used are reported as per the survey and the prices has been reported as 5% raise in 2-3 years and 10% raise in 4-10 years. As far as the production is regarded, full production is harvested only after 5th year and the 4-5th year only 75% production can be achieved as per the field survey.

AVERAGE COST OF PRODUCTION & MARGIN PER HECTARE DISTRICT: Jhapa

Crop: Bittle Nut

Variety: Mohitnagar - 1000

Year: 2015/2016

Condition: Irrigated

Particular	Unit	Establishment Year			Average 2-3 Years			Average 4-5 Years			Average 6-10 years		
		Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.	Quantity	Price	Value in Rs.
A. AVERAGE COST OF PRODUCTION													
1. Variable Cost	Rs.			250006.40			101884.97			106079.23			118108.49
a. Human Labour	Day	300.00	400.00	120000.00	40.00	420.00	16800.00	40.00	440.00	17600.00	40.00	484.00	19360.00
b. Tractor Use	Hour	10.00	1100.00	3000.00									
c. Pumpsset Use	Hour	15.00	200.00	3000.00	20.00	210.00	4200.00	25.00	220.00	5500.00	30.00	242.00	7260.00
d. Plants	No.	1050.00	30.00	31500.00	105.00	31.50	3307.50	10.50	33.00	346.50			
e. Manure	K.G.	1170.00	1.00	1170.00	1800.00	1.05	1890.00	3600.00	1.10	3960.00	4500.00	1.21	5445.00
f. Fertilizer	K.G.												
DAP	K.G.	65.00	50.00	3250.00	35.00	52.50	1837.50	35.00	55.00	1925.00	35.00	60.50	2117.50
Urea	K.G.	40.00	25.00	1000.00	20.00	26.25	525.00	20.00	27.50	550.00	20.00	30.25	605.00
Polash	K.G.	30.00	35.00	1050.00	15.00	36.75	551.25	15.00	38.50	577.50	15.00	42.35	635.25
Micronutrients	K.G.	45.00	150.00	6750.00	25.00	157.50	3937.50	25.00	165.00	4125.00	25.00	181.50	4537.50
g. Plant Protection Chemicals	Rs.			2000.00			3000.00			4000.00			4000.00
h. Management Cost	Rs.			10000.00			7500.00			7875.00			8662.50
i. Land Rent				40500.00			44550.00			46777.50			51455.25
j. Interest on Variable Cost	Rs.			26786.40			13786.22			12842.73			14030.49
2. Fixed Cost	Rs.			729.00			765.45			801.90			882.09
a. Land Tax	Rs.			144.00			151.20			158.40			174.24
b. Water Tax	Rs.			0.00			0.00			0.00			0.00
c. Depreciation of Farm Equipment	Rs.			288.00			302.40			316.80			348.48
d. Repair & Maintenance of Farm Equipment	Rs.			297.00			311.85			326.70			359.37
3. Total Cost	Rs.			250735.40			102650.42			106881.13			118990.58
4. Gross Income at Farm Gate	Rs.			0.00			19635.00			101871.00			280145.25
a. Main Product (Fresh)	K.G.			0.00	850.00	23.10	19635.00	4200.00	24.26	101871.00	10500.00	26.68	280145.25
5. Gross Profit at Farm Gate	Rs.			-250735.40			-83015.42			-5010.13			161154.67
6. Production Cost Per Quintal (Fresh)	Rs.						119.77			24.45			10.33
7. Production Cost Per Quintal (Dried)	Rs.						603.83			127.24			56.66
B. MARKETING AT NEAREST WHOLESALE MARKET													
a. Marketing Cost	Rs.			0.00			425.00			2100.00			5250.00
b. Value at Market (Dried)	Kg.			0.00	170	236.25	40162.50	840	248.06	208372.50	2100	272.87	573024.38
c. Net Profit	Rs.			-250735.40			-62912.92			99391.37			448783.80

Note: The study is carried in plantation year, 2-3 years, 4-5 years' old orchard and 5-10 years old orchard. The variable and fixed costs and market prices operation cost of the 1st year is reported as per the current fiscal year prices. However quantities of variables used are reported as per the survey and the prices has been reported as 5% raise in 2-5 years and 10% raise in 6-10 years. As far as the production is regarded, full production is harvested only after 5th year

AVERAGE COST OF PRODUCTION & MARGIN

DISTRICT: Kathmandu

Crop: Mushroom
Variety: *Agaricus Bisporus* (Gobre)

Year: 2015/2016
Condition : 20ft X 40 ft tunnel
COP for one ropani=Three Plastic shed

Particulars	Units	Quantity	Rs/Unit	Total
A. AVERAGE COST OF PRODUCTION				
1. Variable Cost	Rs.			49493.60
a. Human Labor	Days			
Shed Making Labors	Days	6	650.00	3900.00
Field Labors	Days	20	425.00	8500.00
b. Straw	Kg.	500	20.00	10000.00
Plastic Sheet	Kg.	10	260.00	2600.00
d. Bamboo	No.	26	200.00	5200.00
e. Pumpset Use	Hours	25	25.00	625.00
f. Sprayer Use	Hours	15	20.00	300.00
g. Seed Spores	Bottle	60	50.00	3000.00
h. Compost	Kg.	300	7.00	2100.00
i. Fertilizer				
Urea	Kg.	5	25.00	125.00
D.A.P	Kg.	12	50.00	600.00
Amonium Sulfate	Kg.	20	36.00	720.00
Lime	Kg.	40	8.00	320.00
j. Machinery Equipment Charges	Rs.			1000.00
k. Plant Protection Chemicals	Rs.			1600.00
l. Management Cost	Rs.			3000.00
m. Land Rent	Rs.			3000.00
n. Others	Rs.			1000.00
o. Interest on Variable Cost	Rs.			1903.60
2. Fixed Cost	Rs.			760.00
a. Land Tax	Rs.			20.00
b. Water Tax	Rs.			0.00
c. Electricity Charge	Unit	45	10	450.00
d. Repair and Maintenance	Rs.			150.00
e. Depreciation	Rs.			140.00
3. Total Costs	Rs.			50253.60
4. Gross Income at Farm Gate	Rs.			82620.00
a. Main Product	Kg.	455	180.00	81900.00
b. Manure as Bi-Product	Kg.	360	2.00	720.00
5. Net Profit at Farm Gate	Rs.			32366.40
6. Production Cost Per Quintal	Rs.			11044.75
B. MARKETING AT NEAREST WHOLESALE MARKET				
a. Marketing Cost	Rs.			227.50
b. Value at Market	Kg.	432.25	195.00	84288.75
c. Net Profit	Rs.			34527.65

Note: Mushroom is ready to harvest from 4th and lasts till 8th weeks of the preparation of manure. Three Tunnels can be made in a Ropani of land & can be used for two consecutive years after some maintenance. Cost per Quintal seems higher in the first year due to the shed construction. Next year shed construction cost must be avoided,

AVERAGE COST OF PRODUCTION & MARGIN

DISTRICT: Lalitpur

Crop: Mushroom
Variety: *Agaricus Bisporus* (Gobre)

Year: 2015/2016
Condition : 20ft X 40 ft tunnel
COP for one ropani=Three Plastic shed

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			46803.12
a. Human Labor	Days			
Shed Making Labors	Days	6	600.00	3600.00
Field Labors	Days	19	450.00	8550.00
b. Straw	Kg.	525	18.00	9450.00
Plastic Sheet	Kg.	10	260.00	2600.00
d. Bamboo	No.	30	180.00	5400.00
e. Pumpset Use	Hours	10	25.00	250.00
f. Sprayer Use	Hours	15	25.00	375.00
g. Seed Spores	Bottle	58	50.00	2900.00
h. Compost	Kg.	310	5.00	1550.00
i. Fertilizer				
Urea	Kg.	4	25.00	100.00
D.A.P	Kg.	11	50.00	550.00
Amonium Sulfate	Kg.	18	36.00	648.00
Lime	Kg.	35	8.00	280.00
j. Machinery Equipment Charges	Rs.			950.00
k. Plant Protection Chemicals	Rs.			1450.00
l. Management Cost	Rs.			2500.00
m. Land Rent	Rs.			3000.00
n. Others	Rs.			850.00
o. Interest on Variable Cost	Rs.			1800.12
<u>2. Fixed Cost</u>	<u>Rs.</u>			690.00
a. Land Tax	Rs.			20.00
b. Water Tax	Rs.			0.00
c. Electricity Charge	Unit	40	10	400.00
d. Repair and Maintenance	Rs.			140.00
e. Depreciation	Rs.			130.00
<u>3. Total Costs</u>	<u>Rs.</u>			47493.12
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			80712.50
a. Main Product	Kg.	445	180.00	80100.00
b. Manure as Bi-Product	Kg.	350	1.75	612.50
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			33219.38
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			10672.61
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			222.50
<u>b. Value at Market</u>	<u>Kg.</u>	422.75	195.00	82436.25
<u>c. Net Profit</u>	<u>Rs.</u>			35333.13

Note: Mushroom is ready to harvest from 4th and lasts till 8th weeks of the preparation of manure. Three Tunnels can be made in a Ropani of land & can be used for two consecutive years after some maintenance. Cost per Quintal seems higher in the first year due to the shed construction. Next year shed construction cost must be avoided,

AVERAGE COST OF PRODUCTION & MARGIN

DISTRICT: Kavrepalanchok

Crop: Mushroom
Variety: *Agaricus Bisporus* (Gobre)

Year: 2015/2016
Condition : 20ft X 40 ft tunnel
COP for one ropani=Three Plastic shed

Particulars	Units	Quantity	Rs/Unit	Total
A. AVERAGE COST OF PRODUCTION				
1. Variable Cost	Rs.			39388.44
a. Human Labor	Days			
Shed Making Labors	Days	6	575.00	3450.00
Field Labors	Days	19	380.00	7220.00
b. Straw	Kg.	525	12.00	6300.00
Plastic Sheet	Kg.	10	265.00	2650.00
d. Bamboo	No.	30	160.00	4800.00
e. Pumpset Use	Hours	8	25.00	200.00
f. Sprayer Use	Hours	16	20.00	320.00
g. Seed Spores	Bottle	61	55.00	3355.00
h. Compost	Kg.	320	4.00	1280.00
i. Fertilizer				
Urea	Kg.	5	25.00	125.00
D.A.P	Kg.	10	50.00	500.00
Amonium Sulfate	Kg.	16	36.00	576.00
Lime	Kg.	35	8.50	297.50
j. Machinery Equipment Charges	Rs.			900.00
k. Plant Protection Chemicals	Rs.			1250.00
l. Management Cost	Rs.			2000.00
m. Land Rent	Rs.			1800.00
n. Others	Rs.			850.00
o. Interest on Variable Cost	Rs.			1514.94
2. Fixed Cost	Rs.			569.00
a. Land Tax	Rs.			19.00
b. Water Tax	Rs.			0.00
c. Electricity Charge	Unit	30	10	300.00
d. Repair and Maintenance	Rs.			130.00
e. Depreciation	Rs.			120.00
3. Total Costs	Rs.			39957.44
4. Gross Income at Farm Gate	Rs.			74892.50
a. Main Product	Kg.	425	175.00	74375.00
b. Manure as Bi-Product	Kg.	345	1.50	517.50
5. Net Profit at Farm Gate	Rs.			34935.06
6. Production Cost Per Quintal	Rs.			9401.75
B. MARKETING AT NEAREST WHOLESALE MARKET				
a. Marketing Cost	Rs.			212.50
b. Value at Market	Kg.	403.75	190.00	76712.50
c. Net Profit	Rs.			37060.06

Note: Mushroom is ready to harvest from 4th and lasts till 8th weeks of the preparation of manure. Three Tunnels can be made in a Ropani of land & can be used for two consecutive years after some maintenance. Cost per Quintal seems higher in the first year due to the shed construction. Next year shed construction cost must be avoided,

AVERAGE COST OF PRODUCTION & MARGIN

DISTRICT: Kathmandu

Crop: Mushroom
Variety: Pleurotus sps. & Leninus sps.(Kanye)

Year: 2015/2016
Condition : 12ft X 20 ft tunnel
COP for one ropani= Four Plastic shed

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			57948.80
a. Human Labor	Days			
Shed Making Labors	Days	6	650.00	3900.00
Field Labors	Days	30	425.00	12750.00
b. Straw	Kg.	760	20.00	15200.00
c. Plastic Sheet	Kg.	12	260.00	3120.00
d. Plastic Bag	Kg.	7	100.00	700.00
d. Bamboo	Gota	25	200.00	5000.00
e. Burning Wood	Kg.	450	10.00	4500.00
f. Pumpset Use	Hours	6	25.00	150.00
g. Sprayer Use	Hours	15	20.00	300.00
h. Seed Spores	Bottle	40	45.00	1800.00
i. Machinery Equipment Charges	Rs.			2000.00
j. Plant Protection Chemicals	Rs.			1500.00
k. Management Cost	Rs.			2400.00
l. Land Rent	Rs.			2400.00
m. Interest on Variable Cost	Rs.			2228.80
<u>2. Fixed Cost</u>	<u>Rs.</u>			310.00
a. Land Tax	Rs.			20.00
b. Water Tax	Rs.			0.00
c. Electricity Charge	Unit			0.00
d. Repair and Maintenance	Rs.			150.00
e. Depreciation	Rs.			140.00
<u>3. Total Costs</u>	<u>Rs.</u>			58258.80
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			150400.00
a. Main Product	Kg.	1880	80.00	150400.00
b. Manure as Bi-Product	Kg.	1940	1.75	3395.00
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			92141.20
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			3098.87
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			940.00
<u>b. Value at Market</u>	<u>Kg.</u>	1786	95.00	169670.00
<u>c. Net Profit</u>	<u>Rs.</u>			113866.20

Note: Mushroom is ready to harvest from 4th and lasts till 8th weeks of the preparation of the balls. Four Tunnels can be made in a Ropani of land & can be used for two consecutive years after some maintainance. Cost per Quintal seems higher in the first year due to the shed construction. Next year shed construction cost must be avoided,

AVERAGE COST OF PRODUCTION & MARGIN

DISTRICT: Lalitpur

Crop: Mushroom
Variety: Pleurotus sps. & Leninus sps.(Kanye)

Year: 2015/2016
Condition : 12ft X 20 ft tunnel
COP for one ropani= Four Plastic shed

Particulars	Units	Quantity	Rs/Unit	Total
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			53513.20
a. Human Labor	Days			
Shed Making Labors	Days	6	600.00	3600.00
Field Labors	Days	30	450.00	13500.00
b. Straw	Kg.	750	18.00	13500.00
c. Plastic Sheet	Kg.	12	260.00	3120.00
d. Plastic Bag	Kg.	7	100.00	700.00
d. Bamboo	Gota	24	180.00	4320.00
e. Burning Wood	Kg.	240	10.00	2400.00
f. Pumpset Use	Hours	5	25.00	125.00
g. Sprayer Use	Hours	15	20.00	300.00
h. Seed Spores	Bottle	41	50.00	2050.00
i. Machinery Equipment Charges	Rs.			1800.00
j. Plant Protection Chemicals	Rs.			1240.00
k. Management Cost	Rs.			2400.00
l. Land Rent	Rs.			2400.00
m. Interest on Variable Cost	Rs.			2058.20
<u>2. Fixed Cost</u>	<u>Rs.</u>			290.00
a. Land Tax	Rs.			20.00
b. Water Tax	Rs.			0.00
c. Electricity Charge	Unit			0.00
d. Repair and Maintenance	Rs.			140.00
e. Depreciation	Rs.			130.00
<u>3. Total Costs</u>	<u>Rs.</u>			53803.20
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			148400.00
a. Main Product	Kg.	1855	80.00	148400.00
b. Manure as Bi-Product	Kg.	2025	1.50	3037.50
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			94596.80
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2900.44
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			927.50
<u>b. Value at Market</u>	<u>Kg.</u>	1762.25	92.00	162127.00
<u>c. Net Profit</u>	<u>Rs.</u>			110433.80

Note: Mushroom is ready to harvest from 4th and lasts till 8th weeks of the preparation of the balls. Four Tunnels can be made in a Ropani of land & can be used for two consecutive years after some maintainance. Cost per Quintal seems higher in the first year due to the shed construction. Next year shed construction cost must be avoided,

AVERAGE COST OF PRODUCTION & MARGIN

DISTRICT: Kathmandu

Crop: Mushroom
Variety: Pleurotus sps. & Leninus sps.(Kanye)

Year: 2015/2016
Condition : 12ft X 20 ft tunnel
COP for one ropani= Four Plastic shed

<u>Particulars</u>	<u>Units</u>	<u>Quantity</u>	<u>Rs/Unit</u>	<u>Total</u>
<u>A. AVERAGE COST OF PRODUCTION</u>				
<u>1. Variable Cost</u>	<u>Rs.</u>			45796.40
a. Human Labor	Days			
Shed Making Labors	Days	6	575.00	3450.00
Field Labors	Days	32	380.00	12160.00
b. Straw	Kg.	750	12.00	9000.00
c. Plastic Sheet	Kg.	12	265.00	3180.00
d. Plastic Bag	Kg.	7	105.00	735.00
d. Bamboo	Gota	24	160.00	3840.00
e. Burning Wood	Kg.	260	8.00	2080.00
f. Pumpset Use	Hours	5	25.00	125.00
g. Sprayer Use	Hours	15	20.00	300.00
h. Seed Spores	Bottle	43	55.00	2365.00
i. Machinery Equipment Charges	Rs.			1750.00
j. Plant Protection Chemicals	Rs.			1250.00
k. Management Cost	Rs.			2000.00
l. Land Rent	Rs.			1800.00
m. Interest on Variable Cost	Rs.			1761.40
<u>2. Fixed Cost</u>	<u>Rs.</u>			269.00
a. Land Tax	Rs.			19.00
b. Water Tax	Rs.			0.00
c. Electricity Charge	Unit			0.00
d. Repair and Maintenance	Rs.			130.00
e. Depreciation	Rs.			120.00
<u>3. Total Costs</u>	<u>Rs.</u>			46065.40
<u>4. Gross Income at Farm Gate</u>	<u>Rs.</u>			131400.00
a. Main Product	Kg.	1825	72.00	131400.00
b. Manure as Bi-Product	Kg.	1975	1.50	2962.50
<u>5. Net Profit at Farm Gate</u>	<u>Rs.</u>			85334.60
<u>6. Production Cost Per Quintal</u>	<u>Rs.</u>			2524.13
<u>B. MARKETING AT NEAREST WHOLESALE MARKET</u>				
<u>a. Marketing Cost</u>	<u>Rs.</u>			912.50
<u>b. Value at Market</u>	<u>Kg.</u>	1733.75	85.00	147368.75
<u>c. Net Profit</u>	<u>Rs.</u>			103353.35

Note: Mushroom is ready to harvest from 4th and lasts till 8th weeks of the preparation of the balls. Four Tunnels can be made in a Ropani of land & can be used for two consecutive years after some maintenance. Cost per Quintal seems higher in the first year due to the shed construction. Next year shed construction cost must be avoided,

