



Government of Kerala

REPORT ON COST OF CULTIVATION OF IMPORTANT CROPS IN KERALA 2021-22

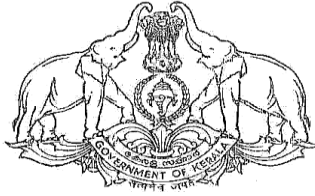
REPORT ON COST OF CULTIVATION OF IMPORTANT CROPS IN KERALA 2021-22



Department of Economics & Statistics
Thiruvananthapuram, Kerala
Website: www.ecostat.kerala.gov.in, Email: www.ecostatdir@gmail.com

Department of Economics & Statistics, Kerala

2023



Government of Kerala

**REPORT ON COST OF CULTIVATION
OF IMPORTANT CROPS IN KERALA
2021-22**

Department of Economics & Statistics

KERALA

2023

PREFACE

The growth in the agricultural sector is not consistent in the State as the operational land availability, high production cost, asymmetrical seasonality and marketing conditions. The contribution of agriculture sector to state domestic product is also on decline. Formulating proper support price policies, creating marketing facilities and assessing loss out of natural calamities needs reliable data on crop husbandry right from sowing to harvesting stages. The major components of the costs involved are seed/ seedlings, fertilizers, labour, rent, equipments, irrigation charges etc. In connection with this, department conducts annual survey on Cost of cultivation of important crops in Kerala.

This report is based on the sample survey on Cost of Cultivation of Important crops conducted during the agricultural year 2021-22. The crops covered under this study are Paddy (Autumn, Winter, Summer), Coconut, Arecanut, Pepper, Banana, Tapioca, Ginger, Turmeric, Bitter Gourd (Autumn, Winter and Summer), Cowpea (Autumn, Winter and Summer), Pineapple and Cardamom.

The field work of the survey was carried out through the Statistical Investigators posted in the Taluk Statistical Offices where the scheme is in operation. The report was prepared by the Cost of Cultivation Division of the Directorate of Economics and Statistics Dept. The dedicated efforts made by all officers who associated in this survey at the bottom level to collect data from the cultivators in regular intervals, supervisory officers to ensure the data quality and data tabulation and processing team in the Directorate to bring out this publication are very much appreciated. I hope the report will be useful to Planners, Policymakers, Researchers and other data users.

Suggestions and comments for improvement of this report are most welcome.



SAJEEVU. P.P
DIRECTOR

Thiruvananthapuram
31-05-2023

Contributors

Data Processing and Report Preparation

Sri. Santhosh Kumar P.D., Additional Director

Smt.Shailamma K., Deputy Director

Sri.Rajesh Kumar B R., Resarch Officer

Smt.Minimol S., Research Assistant

Smt.Thankom S., Statistical Assistant- Grade I

Software Support

Computer Division, Directorate of Economics and Statistics

Data Collection

Statistical Investigators & Supervisory Officers,

Taluk and District Level Officers, Department of Economics and Statistics

CONTENTS

		Title	Page No.
Chapter 1	1	General	1
	2	Results of the Survey	9
	2.1.1	Paddy Autumn	9
	2.1.2	Paddy Winter	14
	2.1.3	Paddy Summer	19
	2.2	Coconut	24
	2.3	Arecanut	26
	2.4	Tapioca	29
	2.5	Banana	33
	2.6	Pepper	35
	2.7	Ginger	38
	2.8	Turmeric	41
	2.9	Pineapple	43
	2.10.1	Bitter Gourd Autumn	47
	2.10.2	Bitter Gourd Winter	49
	2.10.3	Bitter Gourd Summer	52
	2.11.1	Cowpea Autumn	54
	2.11.2	Cowpea Winter	57
	2.11.3	Cowpea Summer	60
	2.12	Cardamom	63
2.13.1	Ash Gourd Autumn	66	
2.13.2	Ash Gourd Winter	68	
2.13.3	Ash Gourd Summer	71	
2.14.1	Cucumber Autumn	73	
2.14.2	Cucumber Winter	76	
2.14.3	Cucumber Summer	78	
2.15.1	Snake Gourd Autumn	80	
2.15.2	Snake Gourd Winter	82	

	2.15.3	Snake Gourd Summer	84
	2.16.1	Ladies Finger Autumn	87
	2.16.2	Ladies Finger Winter	89
	2.16.3	Ladies Finger Summer	92
	2.17.1	Cabbage Autumn	94
	2.17.2	Cabbage Winter	97
	2.17.3	Cabbage Summer	99
	2.18.1	Carrot Autumn	101
	2.18.2	Carrot Winter	103
	2.18.3	Carrot Summer	106
	2.19.1	Potato Autumn	108
	2.19.2	Potato Winter	110
	2.20.1	Beans Autumn	113
	2.20.2	Beans Winter	115
	2.20.3	Beans Summer	117
	2.21.1	Garlic Autumn	119
	2.22.1	Tomato Autumn	121
	2.22.2	Tomato Winter	123
	2.22.3	Tomato Summer	126
Annexure	A1	District Wise Area and Number of holdings	138
	A2	District Wise Cost of Cultivation	157
	A3	Percentage of Hired Human Labour hour to Total Human Labour hour	251
	A4	District Wise Value of Product and by product	269

Chapter – 1

GENERAL

Introduction

As per the G.O (Rt) 466/76/Plg. dated. 27/10/1979, the department has been conducting Cost of Cultivation Survey of 12 Agricultural Crops in 14 District annually. As per the decision of the Technical Committee which held on 21/10/2020, 11 Vegetable Crops have been included in the Cost of Cultivation Survey for the year of 2020-21 in addition to the existing crops.

The Crops covered under the round are given below:-

1	Paddy (3 Seasons)
2	Coconut
3	Arecanut
4	Tapioca
5	Banana
6	Pepper
7	Ginger
8	Turmeric
9	Pineapple
10	Bitter Gourd (3 Seasons)
11	Cowpea (3 Seasons)
12	Cardamom
13	Ash Gourd (3 Seasons)
14	Cucumber (3 Seasons)
15	Snake Gourd (3 Seasons)
16	Ladies Finger (3 Seasons)
17	Cabbage (3 Seasons)
18	Carrot (3 Seasons)
19	Potato (3 Seasons)
20	Beans (3 Seasons)
21	Beetroot (3 Seasons)
22	Garlic (3 Seasons)
23	Tomato (3 Seasons)

Objectives

The main objective of the survey is to produce reliable estimates on production cost involved in major agricultural crops in the state. Major perennial, annual and seasonal crops are covered in the survey with a breakup of cost incurring during various stages from sowing to harvest.

Period of the Survey:

The period of the survey was the Agricultural Year (July to June) 2021-22

Design of the Survey:

The survey covered all the districts in the state by considering taluk as a stratum. From each Taluk, required numbers of investigator zones were selected using circular systematic sampling method. Crop wise details and number of zones are given below.

Sl.No	Name of Crop	Number of Zones
1	Coconut, Arecanut	4
2	Paddy, Tapioca, banana, Pepper, Ginger, Turmeric, Pineapple, Cardamom	3
3	Cowpea, Bitter Gourd, Ash Gourd, Cucumber, Snake Gourd, Ladies Finger, Cabbage, Carrot, Potato, Beans, Beetroot, Garlic, Tomato	2

Selection of cultivators:

In selected Investigator zones, list of cultivators growing paddy in the previous autumn season is prepared based on the last years Form 1 Diary connected with the EARAS survey. From this, 5 cultivators who are likely to be engaged in paddy cultivation during the current year are selected at random for the study for autumn paddy. Similar procedure is adopted for the selection of cultivators for winter and summer season.

In case the cultivators who are selected for the cost of cultivation study in Autumn Paddy possess suitable number of plots and engaged in cultivation of other specified crops in stipulated area number will also be selected for the study for other crops like Coconut, Pepper, Arecanut, Banana, Tapioca etc.

In sufficient number of suitable plots of other crops are not available within the cultivators selected for the study of Autumn Paddy, the required number of plots growing crops other than paddy will be selected from the list of wet and dry land plot of the same investigator zone during the previous year. If the selected investigator zone in a taluk does not provide the required number of plots for these crops, another Investigator zone in the same taluk will be selected at random for selection of the remaining (required) number of plots / cultivators for the study.

Number of holdings selected for each crops in a Taluk

1	Paddy	Autumn	15 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	
2	Coconut		20 (5 holdings each from one Investigator Zone)
3	Arecanut		20 (5 holdings each from one Investigator Zone)
4	Pepper		15 (Minimum 2 holdings in one Investigator Zone)
5	Banana		15 (Minimum 2 holdings in one Investigator Zone)
6	Tapioca		15 (Minimum 2 holdings in one Investigator Zone)
7	Ginger		15 (Minimum 2 holdings in one Investigator Zone)
8	Turmeric		15 (Minimum 2 holdings in one Investigator Zone)
9	Pineapple		15 (Minimum 2 holdings in one Investigator Zone)
10	Bitter Gourd	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	
11	Cowpea	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	
12	Cardamom		15 (5 holdings each from one Investigator Zone)
13	Ash Gourd	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	
14	Cucumber	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	
15	Snake Gourd	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	
16	Ladies Finger	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	

17	Cabbage	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	
18	Carrot	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	
19	Potato	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	
20	Beans	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	
21	Beetroot	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	
22	Garlic	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	
23	Tomato	Autumn	10 (5 holdings each from one Investigator Zone)
		Winter	
		Summer	

A holding is to be considered for the study normally if the crop coverage is at least 25 cents in the case of Paddy and Cardamom. 10 Cents for Tapioca, Banana and Pineapple and 5 cents for Ginger, Turmeric, Cowpea and Bitter Gourd. In case of perennial crops like Coconut, Arecanut and Pepper the holdings should have 25 trees/plants of which a minimum of 50% should be bearing trees/ plants in the selected holdings. The holdings are grouped under three size classes (small, medium and large) for each crop on the basis of the area under the crops in the holding as:

Size Crop	Paddy	Other Crops
Small	<0.40 hectare	<0.2 hectare
Medium	0.40 to < 2 hectare	0.20 to < 0.80 hectare
Large	≥ 2 hectare	≥ 0.80 hectare

Schedules:

Schedules used for the survey

Schedule - 1	Selected Investigator Zone
Schedule - 2	Summary of Form I Diary
Schedule - 3	List of Selected cultivators
Schedule - 4	General Particulars
Schedule - 5	Recorded cost incurred for growing the selected crop in each fortnight

Field work

Data collected from 38 Taluks. One Investigator/ enumerator is posted in each Taluk for this purpose. The investigators visited the selected holding/ cultivators every fortnight/three weeks/one month/two month and recorded fortnightly details of agricultural operations in schedule 5. Periodicity of visit will vary according to the type of crop. Periodicities of visit are given below.

Sl.No	Name of Crop	Periodicity
1	Cowpea, Bitter Gourd, Ash Gourd, Cucumber, Snake Gourd, Ladies Finger, Cabbage, Carrot, Potato, Beans, Beetroot, Garlic, Tomato	Fortnight
2	Paddy	Three Weeks
3	Cardamom	One month
4	Coconut, Arecanut, Pepper, Tapioca, Banana, Ginger, Turmeric, Pineapple	Two months

The field work was supervised by Taluk Statistical Officer/Statistical Inspector at the Taluk level and Deputy Director /District Officer, other District level supervisory officer at the District level.

Processing and Analysis of Data:

The data entry and tabulation sheet preparation were done at Taluk level in DESCAS software. The compilation and preparation of District tabulation sheet were done at the district office and the report preparation and analysis were done at the Directorate.

Method of Estimation

(a) Concepts of Cost:

Cost incurred for growing the selected crops are classified under, Cost 'A', Cost 'B1', Cost 'B', and Cost 'C' and the analysis of the data is made as **Cost 'A'**.

Cost 'A' All kind of expenses (paid out costs) actually incurred by the cultivators, includes:

- i. Hired human labour
- ii. Animal labour
- iii. Machine labour
- iv. Seed/Seedlings
- v. Farmyard Manure and Chemical fertilizers
- vi. Plant protection
- vii. Land tax and Irrigation Cess
- viii. Repair and maintenance charges of implements, machinery and buildings
- ix. Interest on working capital
- x. Other expenses

Cost 'B1': Cost 'A' + Interest on fixed assets (excluding land)

Cost 'B' : Cost 'B1' + Interest on Fair value of land

Cost 'C' : Cost 'B' + Imputed value of family labour

As per the recommendation of the Expert Committee for Agricultural Statistics, instead of taking interest on Land value, Fair value and land reported by the Land Revenue Department has been taken for calculating Cost B of each crop.

b) Procedure for imputation of values of owned inputs

In the production process, certain inputs from home stocks are used. In order to estimate the cost, the values of input used out of home stock are imputed. The procedures used for the imputation of values of such home stock inputs are:

- | | | | |
|----|---------------------------------|---|--|
| I | Family labour | : | Imputed on the basis of average wage rate per work hour of hired labour |
| II | Owned and Exchange human labour | : | The rate of wages per hour for hired human labour is taken for imputing the value of own stock and |

		exchange human labour
III	Owned and Exchange animal labour	: The charges paid per hour for hired animal labour is taken for imputing the value of owned and exchange animal labour
IV	Owned and Exchange Machine labour	: The hire charges per hour for machine labour has been taken
V	Implement	: Repair and maintenance charges of implements
VI	Owned seed	: Farm produced (house grown) seed has been imputed at the prices prevalent in the investigator zone concerned at the time of sowing
VII	Farm produced manure	: Imputed at the rate prevalent in the zone concerned.
VIII	Interest on fixed capital	: Interest on the present value of fixed assets such as land, farm, building, implements, machinery, irrigation structure, equipments and livestock (only draught animals) at the rate of 10% per annum has been calculated.
X	Interest on working capital	: Interest has been charged at the rate of 10% per annum on the working capital, cash and expenses excluding items in respect of which payments are generally made after harvest (i.e. Rent, land tax etc) incurred during the period of cultivation
X	Payments	: The payments in kind have been evaluated at the market prices prevalent in the locality at the time of payment. Perquisites have been included in the payments in kind calculated at the market prices.

c)Allocation of costs to different crops

Some of the inputs used for the cultivation of one crop are common for other crops also. For the purpose of computing the cost of individual crops, the cost of such inputs is apportioned in the following manner.

I	Repair and maintenance charges of implements	In proportion to the area under the crop.
II	Interest on fixed capital (excluding land)	In proportion to the area under the crop
III	Interest on land value	Interest on the Fair value of land under the crop

(d) Procedure for Valuation of farm assets

I	Own farm buildings (cattle sheds, storage shed etc	Prices prevailing in the locality
II	Implemants and other machinery	Prevalent market prices

III Livestock (only draught animals)

Prevalent market prices

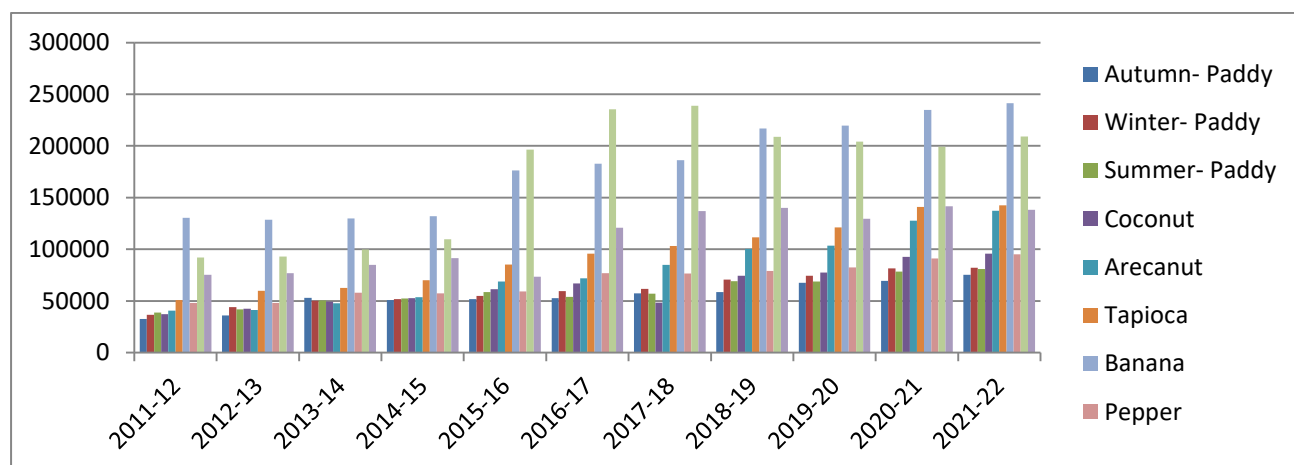
In calculating the cost of production of paddy crop in each season the interest on fair value of land at the rate of 10% per annum for the period of 6 months is taken into account. The land value is estimated at the fair value of agricultural land.

CHAPTER 2

RESULTS OF THE SURVEY

Comparison table for the cost of cultivation Cost A of crops such as Paddy (3 Seasons), Coconut, Arecanut, Tapioca, Banana, Pepper, Ginger, Turmeric from 2011-2012 to 2021-2022 is given in the table below. Cost of Cultivation of Crops during 2011-2012 has more or less doubled during 2021-22.

CROP	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Autumn-Paddy	32713	35968	53142	50895	51823	52818	57369	58545	67722	69344	75430
Winter-Paddy	36491	43955	50166	51851	55044	59600	61663	70626	74401	81572	82025
Summer-Paddy	38878	41862	50674	52312	58555	54109	57200	69235	68703	78285	80802
Coconut	37361	42390	49277	52588	61429	67062	48434	74536	77584	92727	95758
Arecanut	40560	41114	47912	53665	68723	72041	84897	100395	103454	127718	137182
Tapioca	50907	59770	62703	69925	85382	95899	103061	111688	121258	141117	142547
Banana	130342	128621	129956	131933	176400	182921	186081	216796	219792	234710	241320
Pepper	48121	47981	57947	57300	59074	77019	76510	78925	82583	91110	95005
Ginger	91914	92885	99827	109816	196316	235296	238820	208761	204188	199246	209257
Turmeric	75384	76825	85016	91467	73625	120755	137084	140032	129665	141668	138264



2.1.1 Paddy- Autumn (virippu) during 2021-22

The details of holding selected and area coverage are given below. The data collected from 442 holdings according to the size class be covering 317.31 hectares of land. It is observed that the average area per holding is 0.72 hectares in all classes while area per holding in large size class, is more than two hectares (3.11 hectares). In small size class,

i.e., less than 0.40 hectare which comprises 235 holdings, the average area per holdings is only 0.21 hectare.

Table 1: Area and number of holdings under Autumn Paddy

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	235	48.85	15.4	0.21
Medium	161	125.33	39.5	0.78
Large	46	143.13	45.11	3.11
Total	442	317.31	100	0.72

Cost of Cultivation

The Cost of cultivation of autumn paddy is calculated under different cost concepts viz Cost 'A', Cost 'B' and Cost 'C' respectively. Details are presented in the following table. The study revealed that in autumn paddy cultivation, among various components, hired human labour input constitutes to the largest share 41.78% when Cost 'A' is considered. Machine labour cost shares to 14.25% and farmyard manure and chemical fertilizers accounts to 11.19% respectively. Large and small size class shows a difference of Rs.14, 939/-.

Table 2: Cost of Cultivation per hectare (in Rs) of Paddy (Autumn)

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	43632	31555	27343	31514
2	Animal labour		10		4
3	Machine labour	10266	11237	10489	10750
4	Seed /seedlings	3703	3296	3666	3526
5	Farmyard manure and chemical fertilizers	10383	8659	7581	8438
6	Plant Protection	1347	2217	3940	2860
7	Land tax and irrigation cess	238	170	183	187
8	Repair and maintenance charges of implements, machinery and	339	95	464	299

	building				
9	Interest on working capital	6933	5697	5302	5709
10	Other expenses	11008	10532	13942	12143
11	Total cost 'A'(1-10)	87849	73468	72910	75430
12	Interest on fixed capital	1192	1398	1169	1263
13	Cost 'B1'(11+12)	89041	74866	74079	76693
14	Interest on land value	258707	386281	238314	299896
15	Cost 'B'(13+14)	347748	461147	312393	376589
16	Imputed value of household labour	14641	11113	6015	9357
17	Cost 'C'(15+16)	362389	472260	318408	385946

Percentage Distribution of “COST A” per hectare of Autumn paddy during 2021-22

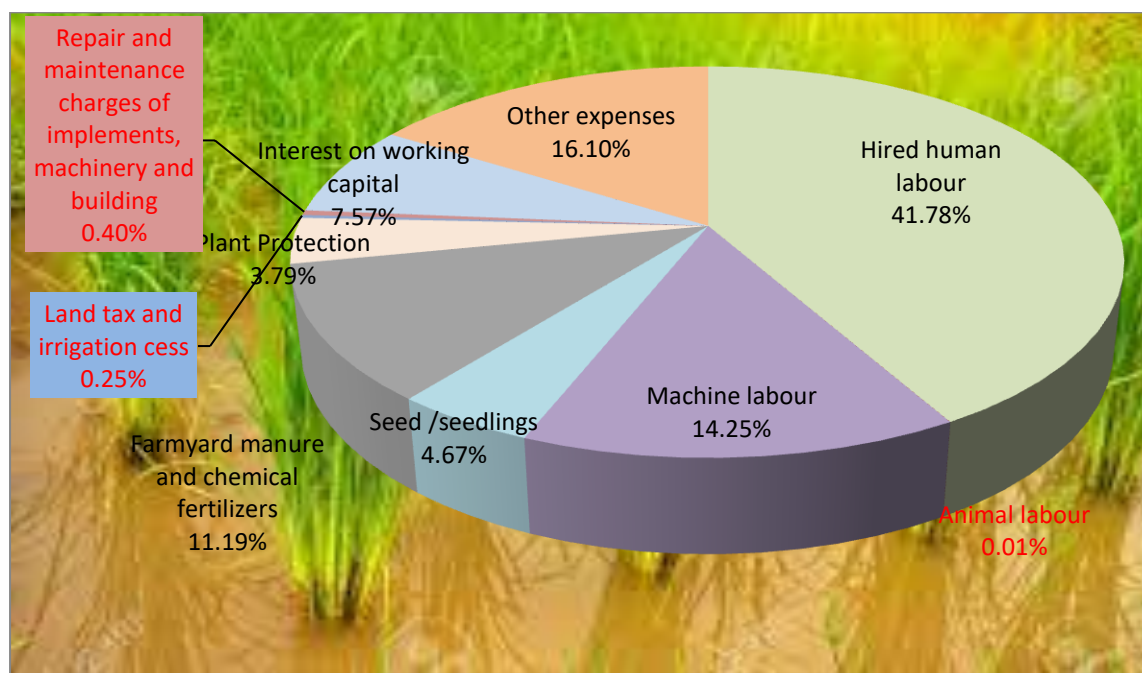


Table 3: Percentage of hired human labour hours to total human labour hours.

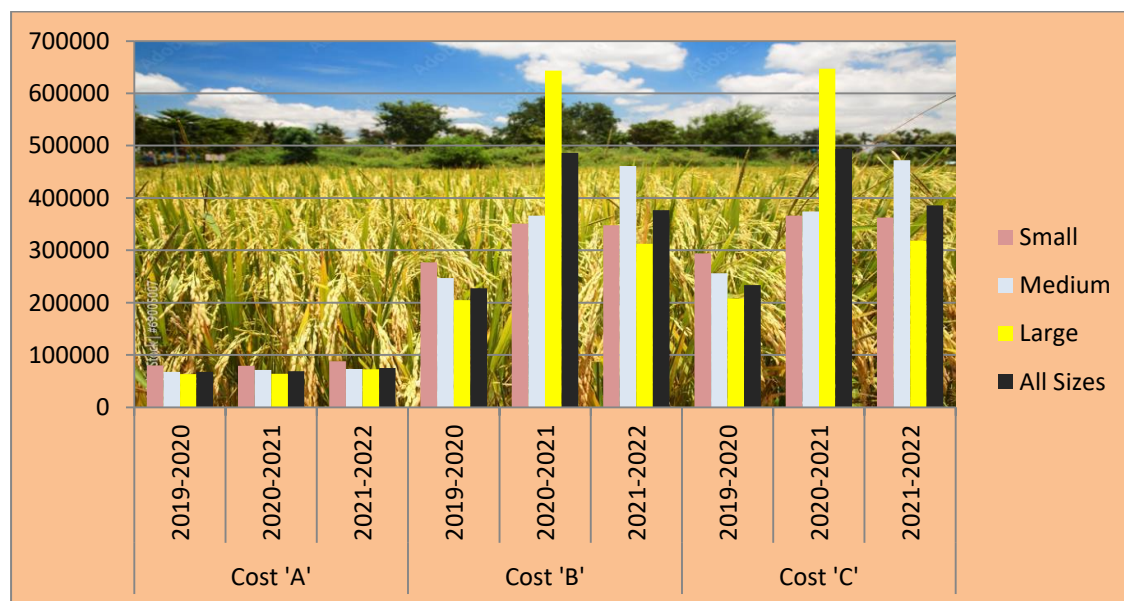
Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	24.16	31.78	45.98	34.54
Female	37.67	38.57	39.83	41.26
Total	61.83	70.35	85.81	75.8

If we consider total labour hours, 75.8% labour hours shares by the hired labour. Out of the hired labour hours, 41.26% of labour hours shares to female participation and 34.54% labour hours shares to male participation.

Table 4: Cost of Cultivation of Autumn Paddy per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	79860	68127	63598	67722
	2020-2021	79661	71318	63977	69344
	2021-2022	87849	73468	72910	75430
Cost 'B'	2019-2020	276851	247126	204927	227413
	2020-2021	350751	366078	643432	486167
	2021-2022	347748	461147	312393	376589
Cost 'C'	2019-2020	294166	255948	207696	233790
	2020-2021	366138	374535	647004	493521
	2021-2022	362389	472260	318408	385946

Cost Of Cultivation Of Autumn Paddy Per Hectare (In Rs) – During 2019-20, 2020-21, 2021-22



The last three years data shows a slight fluctuation in cost of paddy cultivation. Cost A per hectare of Autumn paddy in 2021-22 is increased by Rs.6086/- as compared to cost in 2020-21.

Cost of Production of Paddy per Quintal

Cost of production of paddy per quintal is estimated by dividing the cost of cultivation per hectare (after deducting the value of by-product per hectare from the cost of cultivation per hectare) by the quantity of paddy produced per hectare. The survey

results show that during 2021-22 for producing one quintal of paddy Rs.2081/-has been expended by the farmer when Cost 'A' is considered. Details are given below:

Table 5: Per Quintal Cost (In Rs) of Production of Autumn Paddy during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	2223	1911	1795	1906
	2020-2021	2317	1960	1827	1955
	2021-2022	2540	1989	2013	2081
Cost 'B'	2019-2020	7742	6933	5785	6400
	2020-2021	10202	10062	18377	13705
	2021-2022	10053	12487	8623	10388
Cost 'C'	2019-2020	8226	7180	5863	6224
	2020-2021	10649	10295	18479	13913
	2021-2022	10477	12787	8789	10646

Value of Output

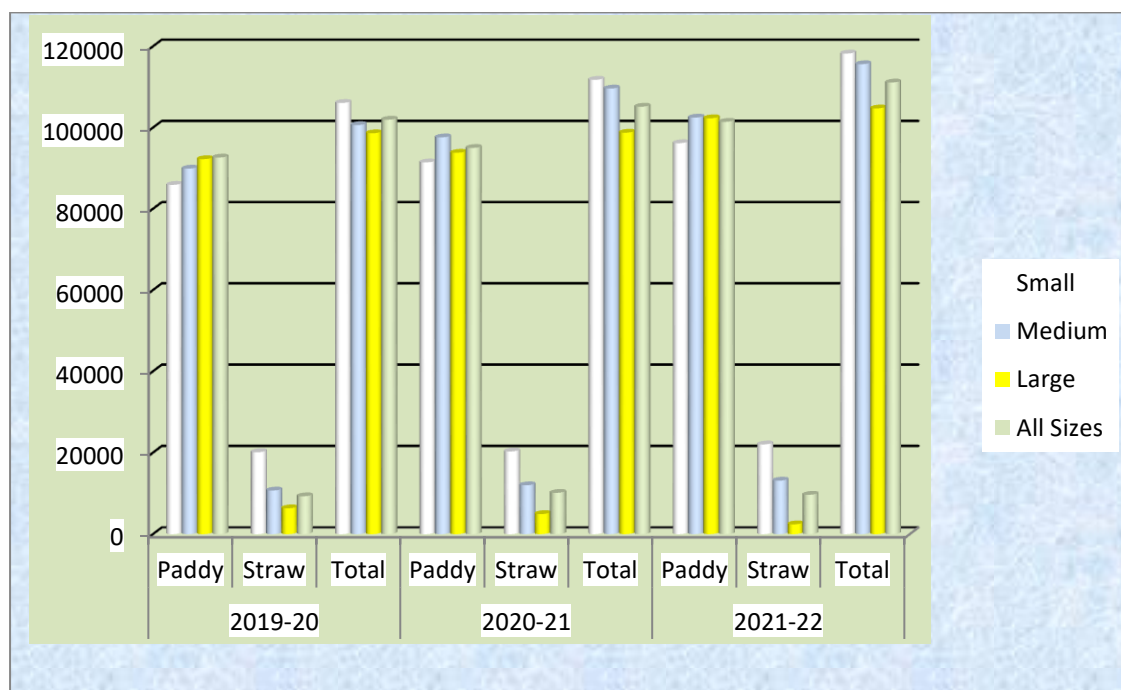
Details of product and by-product per hectare in Autumn Paddy during the last three years are given below.

Table 6: Value of product and by-product per hectare (in Rs)of Autumn Paddy during 2018-19, 2019-20 and 2020-21.

Year	Product/ Byproduct	Holding Size Class			
		Small	Medium	Large	All Sizes
2019-20	Paddy	85939	89923	92270	92662
	Straw	20152	10724	6365	9316
	Total	106091	100647	98635	101978
2020-21	Paddy	91459	97624	93824	95010
	Straw	20337	12018	4955	10164
	Total	111796	109642	98779	105174
2021-22	Paddy	96191	102486	102328	101446
	Straw	22062	13157	2423	9686
	Total	118253	115643	104751	111132

Per hectare value of product and by product in autumn season shows an increasing trend during 2021-22 when compared to last year. The value of product is increased from Rs.95,010/- to Rs.1,01,446/- where as the value of straw is decreased.

VALUE OF PRODUCT AND BY PRODUCT PER HECTARE OF AUTUMN PADDY DURING 2019-20, 2020-21, 2021-22



1.2. Paddy Winter (mundakan) during 2021-22

During 2021-22 cost of cultivation study on winter paddy was conducted in 504 holdings according to the size class by covering 426.88 hectare of land. The average area per holding during the season under study is 0.85 hectare. In winter season area per holding in large size class is 3.06 hectare and in small size class it is only 0.22 hectare, area per holding is increased slightly when compared to autumn season.

Table 7: Area and number of holdings under Winter Paddy

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	238	52.91	12.39	0.22
Medium	201	175.01	41	0.87
Large	65	198.96	46.61	3.06
Total	504	426.88	100	0.85

Cost of Cultivation:

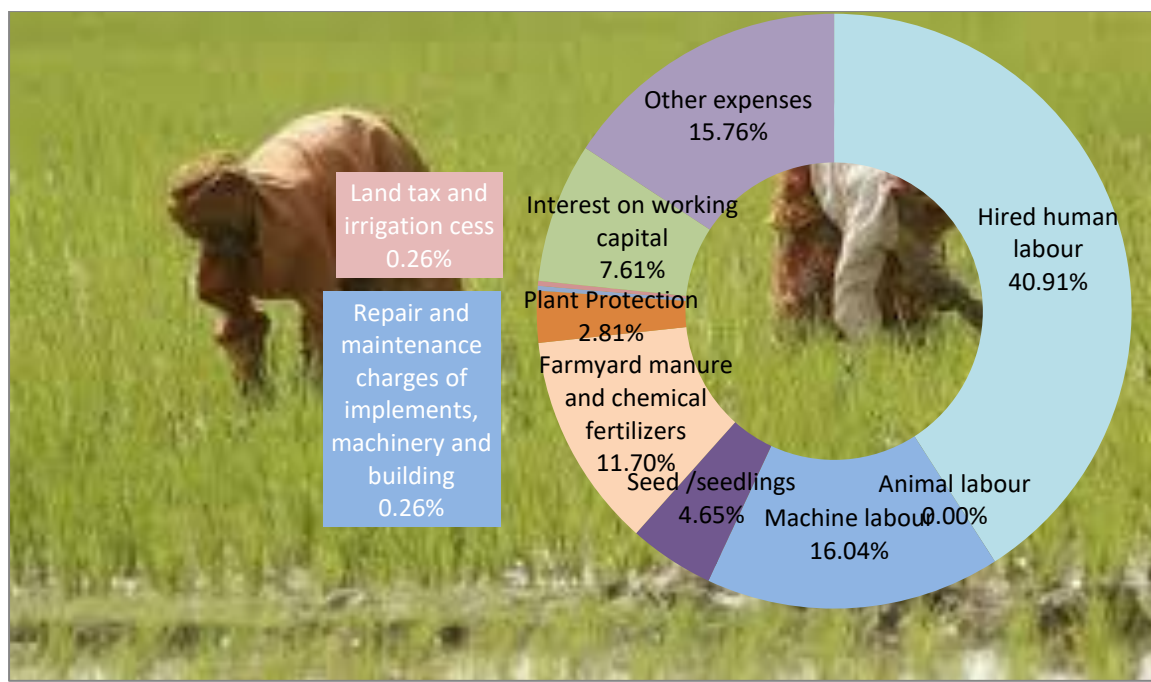
In Cost A, the paid out cost actually incurred by the cultivator, the major share of the cost component was hired human labour. It constitutes 40.91 per cent. Another two major contributing factors in cost are machine labour and other expenses which constitute 16.04% and 15.76% respectively. Farmyard manure and chemical fertilizers account

11.70%. By considering the various component of winter- paddy ,it can be seen that per hectare cost for cultivating paddy is Rs.82,025/-.Considerable variation in hired human labour component is reported in winter season during 2021-22 when small and large sizes are compared. Cost difference in human hired labour between small and large size class is Rs.10, 537/-.

Table 8: Cost of Cultivation per hectare (in Rs) of Paddy (Winter)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	40963	34875	30426	33556
2	Animal labour				
3	Machine labour	10329	11621	15252	13153
4	Seed /seedlings	4557	4061	3392	3811
5	Farmyard manure and chemical fertilizers	11345	9509	9217	9600
6	Plant Protection	1896	2688	2074	2303
7	Land tax and irrigation cess	305	230	180	216
8	Repair and maintenance charges of implements, machinery and building	426	167	206	217
9	Interest on working capital	6909	6275	6036	6242
10	Other expenses	9859	12141	14433	12927
11	Total cost 'A'(1-10)	86589	81567	81216	82025
12	Interest on fixed capital	2093	1673	719	1281
13	Cost 'B1'(11+12)	88682	83240	81935	83306
14	Interest on land value	205876	198018	166787	184436
15	Cost 'B'(13+14)	294558	281258	248722	267742
16	Imputed value of household labour	15526	8057	4625	7383
17	Cost 'C'(15+16)	310084	289315	253347	275125

Percentage Distribution of “COST A” per hectare of Winter paddy during 2021-22



The following table reveals the percentage of hired human labour hours to total human labour hours.

Table 9: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	29.86	36.9	54.56	42.34
Female	38.24	40.3	40.93	38.55
Total	68.1	77.2	95.49	80.89

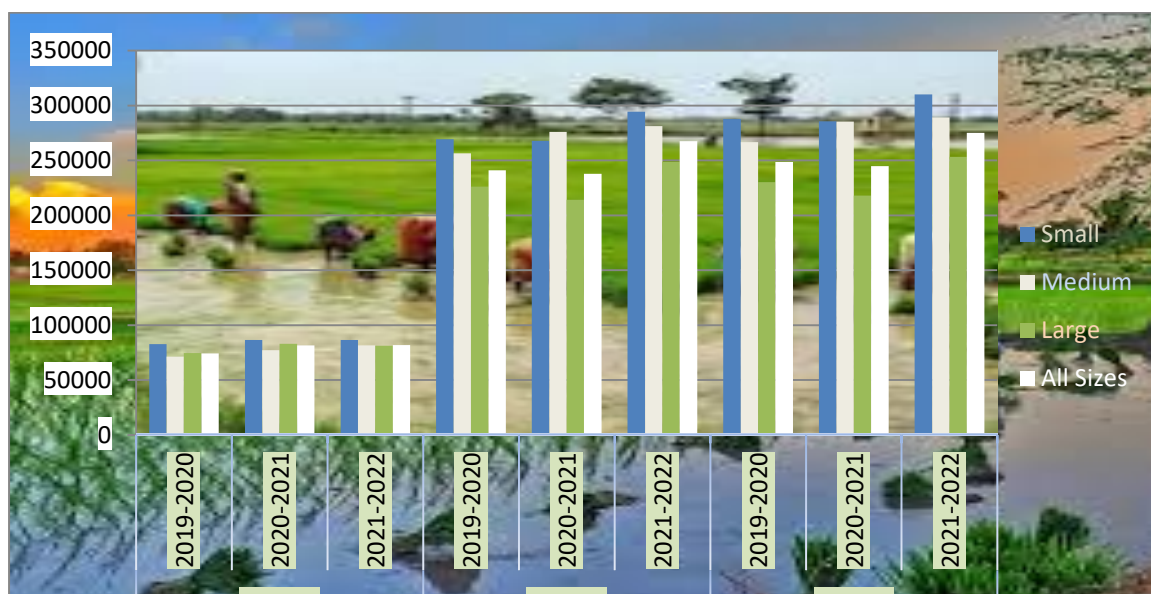
Table 10: Cost of Cultivation of Winter Paddy per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	82806	71434	74712	74401
	2020-2021	86514	77149	83079	81572
	2021-2022	86589	81567	81216	82025
Cost 'B'	2019-2020	269425	256429	226260	241021
	2020-2021	267766	275997	214121	237973
	2021-2022	294559	281258	248722	267742

Cost 'C'	2019-2020	287608	266623	230401	248666
	2020-2021	285568	285493	218097	244897
	2021-2022	310085	289315	253347	275125

The result of the survey shows an increase of 0.56 percentage of cost during 2021-22 from the year 2020-21. Also the bottom size class (small) the cost increased by 0.09 percentage during the same period.

COST OF CULTIVATION OF WINTER PADDY PER HECTARE (IN RS)
- DURING 2019-20, 2020-21, 2021-22



Cost of Production of Winter Paddy

Table 11: Per Quintal Cost (In Rs) of Production of Winter Paddy during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	1029	1778	1846	1675
	2020-2021	2172	1786	1749	1793
	2021-2022	967	2148	1610	1635
Cost 'B'	2019-2020	3349	6382	5590	5428
	2020-2021	6721	6390	4507	5232
	2021-2022	3290	7408	4932	5337
Cost 'C'	2019-2020	3575	6636	5693	5600
	2020-2021	7167	6610	4591	4943
	2021-2022	3464	7621	50203	5226

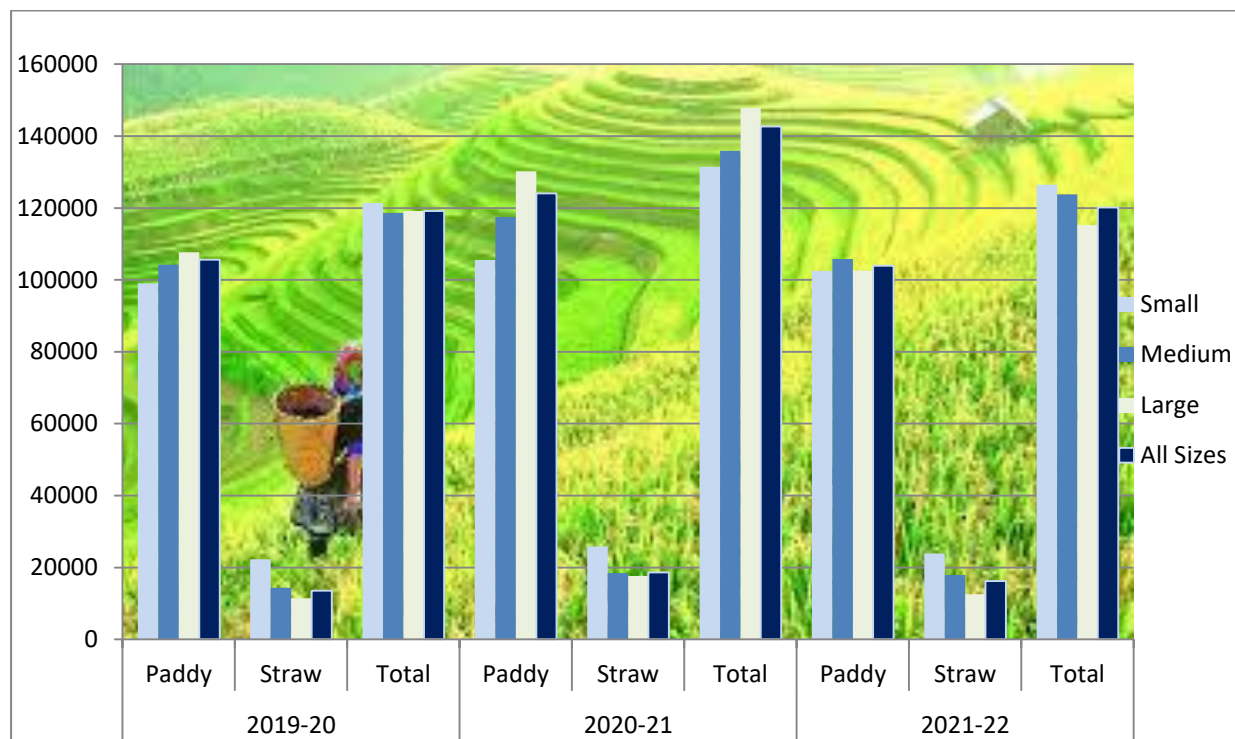
Value of Output

Table 12: Value of Product and By-product per hectare (in Rs) of Winter Paddy during 2019-20, 2020-21, 2021-22

Year	Product/ Byproduct	Holding Size Class			
		Small	Medium	Large	All Sizes
2019-20	Paddy	99042	104241	107680	105623
	Straw	22301	14373	11470	13563
	Total	121343	118614	119150	119186
2020-21	Paddy	105556	117442	130152	124021
	Straw	25881	18449	17674	18656
	Total	131437	135891	147826	142677
2021-22	Paddy	102544	105808	102593	103905
	Straw	23922	17974	12604	16208
	Total	126466	123782	115197	120113

Compared to autumn 2021-22 value of product and by product per hectare increased marginally during winter season. Similarly per hectare value of product and by product decreased by 15.81 percentage in 2021-22 winter season against the value of 2020-21 in the same season.

VALUE OF PRODUCT AND BY PRODUCT PER HECTARE OF WINTER PADDY DURING 2019-20, 2020-21, 2021-22



2.1.3. Paddy – Summer (Puncha) during 2021-22

For the cost of cultivation study on summer paddy during 2021-22 the total number of holding selected was 506. Number of holding selected in large holdings size is 118. The details of these holdings are presented below:

Table 13: Area and number of holdings under Summer Paddy

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	224	48.43	6.05	0.22
Medium	164	143.28	17.9	0.87
Large	118	689.92	76.06	5.16
Total	506	800.63	100	1.58

The above table reveals that the total area under cultivation in the selected sample holdings covers to 800.63 hectares and the average size of a holding is 1.58 hectare. In the large size class the average area per holdings is 5.16 hectare where as in small size class area per holding is 0.22 hectare only.

Cost of Cultivation

Cost of Cultivation of summer paddy per hectare is estimated as Rs.80, 802/- when cost 'A' is considered. Component wise holding size class details are presented below.

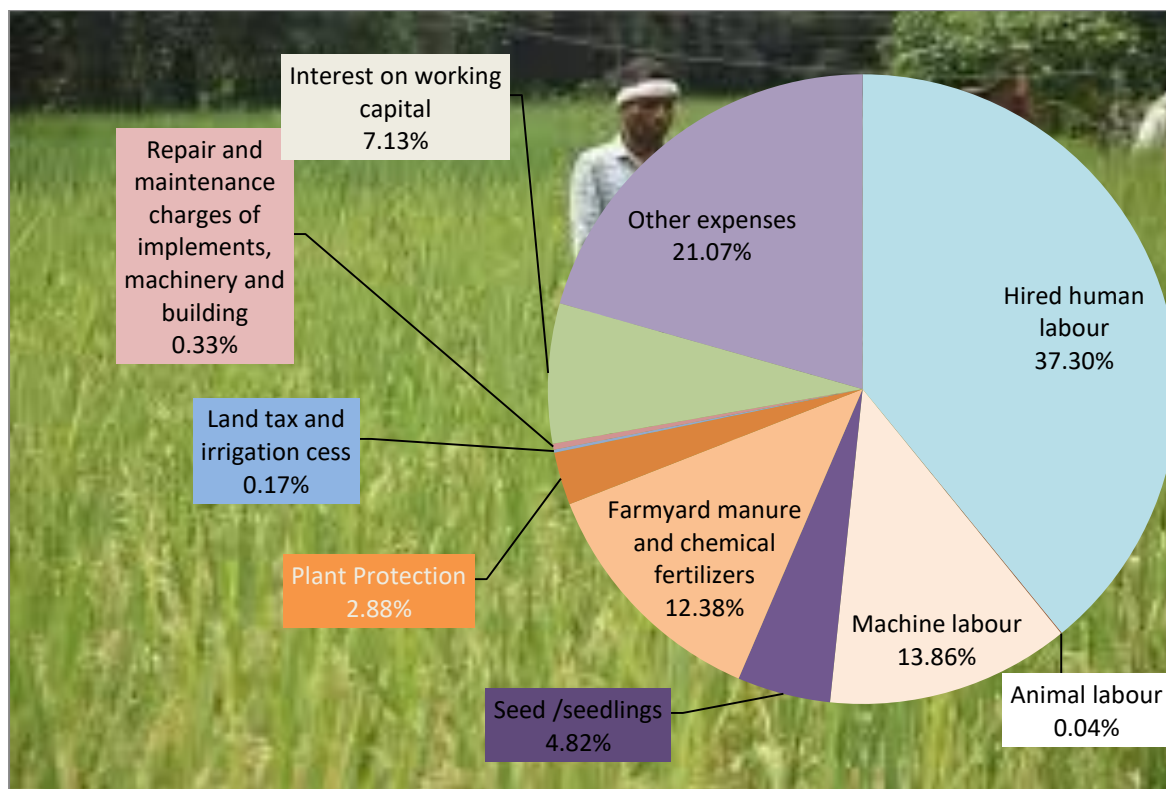
Table 14: Cost of Cultivation per hectare (in Rs) of Paddy (Summer)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	40921	31948	28852	30136
2	Animal labour		28	36	32
3	Machine labour	11381	11212	11186	11202
4	Seed /seedlings	3255	3690	3991	3893
5	Farmyard manure and chemical fertilizers	10792	10086	9927	10008
6	Plant Protection	1896	2928	2224	2330
7	Land tax and irrigation cess	286	258	99	139

8	Repair and maintenance charges of implements, machinery and building	268	1043	92	273
9	Interest on working capital	6825	5989	5622	5760
10	Other expenses	11445	11992	18658	17029
11	Total cost 'A'(1-10)	87069	79174	80687	80802
12	Interest on fixed capital	3034	2286	591	1042
13	Cost 'B1'(11+12)	90103	81460	81278	81844
14	Interest on land value	256469	221548	158074	175385
15	Cost 'B'(13+14)	346572	303008	239352	257229
16	Imputed value of household labour	19333	8576	2613	4692
17	Cost 'C'(15+16))	365905	311584	241965	261921

Out of the total cost incurred for crop husbandry more than 37.30 percent cost goes to human labour component. Similarly compare to winter season a slight decrease in total cost A during the summer season.

Percentage Distribution of “COST A” per hectare of Summerpaddy during 2021-22



In Summer paddy cultivation hired female labour participation accounted as 31.74% and that of male labour participation is 54.51% to the total hours. Details are given

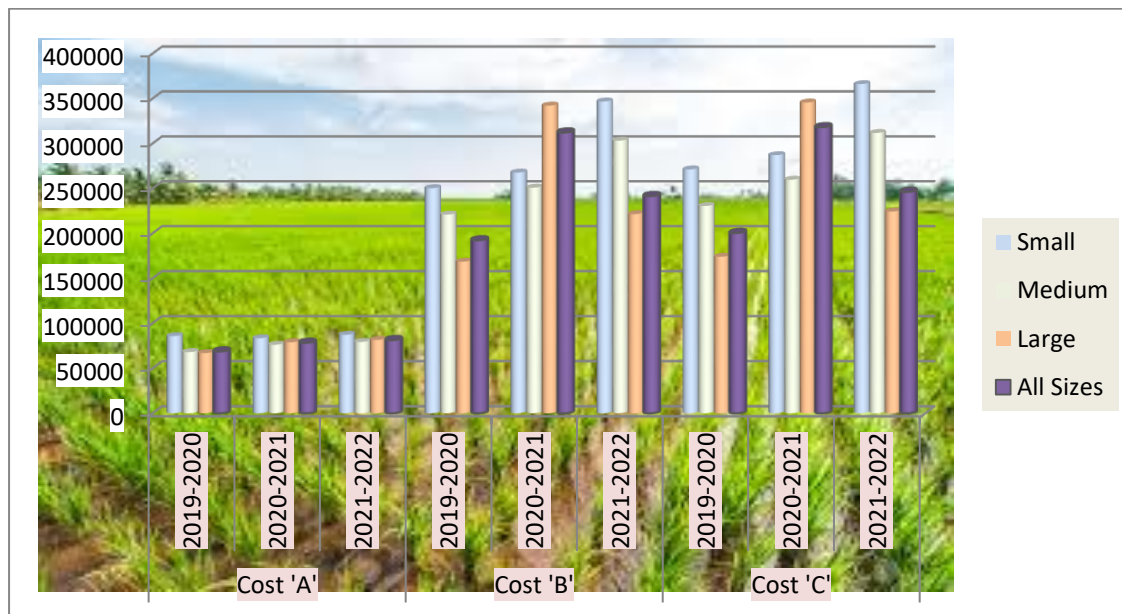
Table 15: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	27.85	43.35	62.34	54.51
Female	34.29	38.87	43.88	31.74
Total	62.14	82.22	106.22	86.25

Table 16: Cost of Cultivation of Summer Paddy per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	85604	67893	66740	68703
	2020-2021	83295	75978	78813	78285
	2021-2022	87069	79174	80687	80802
Cost 'B'	2019-2020	250126	220738	168339	192252
	2020-2021	267475	250673	342003	312164
	2021-2022	346572	303008	239352	257229
Cost 'C'	2019-2020	270988	230261	173826	200344
	2020-2021	286856	259513	345477	318066
	2021-2022	365905	311584	241965	261921

**COST OF CULTIVATION OF SUMMER PADDY PER HECTARE
DURING 2019-20, 2020-21, 2021-22**



Value of Output

**Table 17: Per Quintal Cost (In Rs) of Production of Summer Paddy during
2019-20, 2020-21, 2021-22**

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	2068	1600	1424	1528
	2020-2021	2108	1725	1526	1604
	2021-2022	2235	1953	2262	2199
Cost 'B'	2019-2020	6044	5203	3591	4275
	2020-2021	6767	5693	6623	6395
	2021-2022	8897	7475	6709	7001
Cost 'C'	2019-2020	6548	5428	3708	4128
	2020-2021	7257	5893	6690	6193
	2021-2022	9394	7687	6783	6665

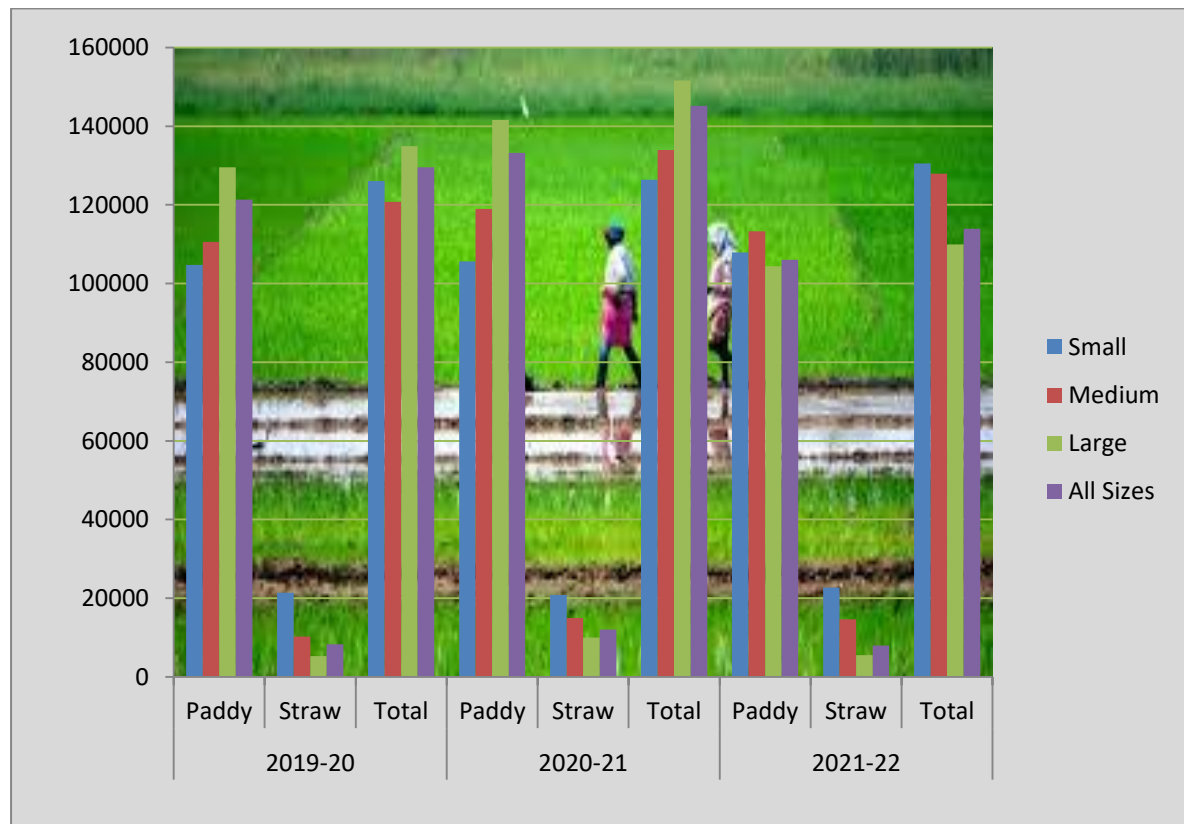
Above table reveals that for producing one quintal of paddy in summer season an amount of 2199/- is required when cost 'A' is considered. Per hectare value of paddy produced

during the season is calculated as Rs.1, 02,597 and the value of by-product viz. straw is estimated as Rs.8754/-.

Table 18: Value of Product and By-product per hectare (in Rs) of Summer Paddy during 2019-20, 2020-21, 2021-22

Year	Product/ Byproduct	Holding Size Class			
		Small	Medium	Large	All Sizes
2019-20	Paddy	104690	110615	129587	121326
	Straw	21380	10187	5301	8242
	Total	126070	120802	134888	129568
2020-21	Paddy	105613	119007	141606	133195
	Straw	20802	14937	9975	11993
	Total	126415	133944	151581	145188
2021-22	Paddy	107884	113307	99656	102597
	Straw	22655	14581	6277	8754
	Total	130539	127888	105933	111351

VALUE OF PRODUCT AND BY PRODUCT PER HECTARE OF SUMMER PADDY DURING 2019-20, 2020-21, 2021-22



COCONUT DURING 2021-22

To conduct the study 760 sample holdings were selected in the state from the different holding size classes, the average area per holding was 0.41 hectare. Details of the study conducted during 2021-22 are presented below.

Table 19 : Area and number of holdings under Coconut Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	276	38.13	12.33	0.14
Medium	376	139.06	44.97	0.37
Large	108	132.06	42.7	1.22
Total	760	309.25	100	0.41

Cost of Cultivation

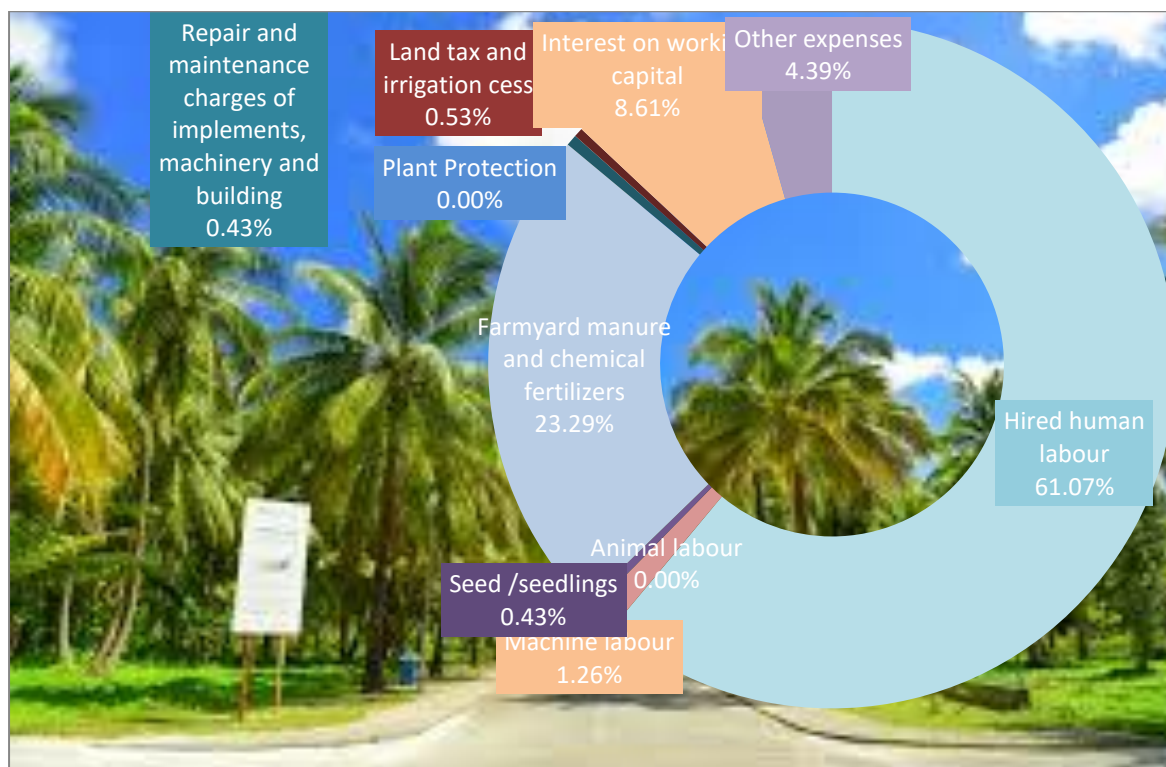
Cost per hectare for cultivating coconut during 2021-22 was Rs.95,758/- excluded interest on fixed capital, land value and value of household labour. Out of this 61.07% of total cost is for the component of hired human labour and 23.29% for farmyard manure and chemical fertilizer.

Table 20: Cost of Cultivation per hectare (in Rs) of Coconut

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	59236	55682	61196	58475
2	Animal labour				
3	Machine labour	493	1301	1317	1208
4	Seed /seedlings	191	243	645	408
5	Farmyard manure and chemical fertilizers	17813	19971	26055	22303
6	Plant Protection	25			3
7	Land tax and irrigation cess	492	455	567	507
8	Repair and maintenance charges of implements, machinery and building	582	344	429	410

9	Interest on working capital	7776	7720	8921	8240
10	Other expenses	5086	3895	4275	4204
11	Total cost 'A'(1-10)	91694	89611	103405	95758
12	Interest on fixed capital	3376	4229	4696	4323
13	Cost 'B1'(11+12)	95070	93840	108101	100081
14	Interest on land value	578387	564233	579320	572421
15	Cost 'B'(13+14)	673457	658073	687421	672502
16	Imputed value of household labour	15782	11729	5136	9413
17	Cost 'C'(15+16)	689239	669802	692557	681915

Percentage Distribution of “COST A” per hectare of Coconut during 2021-22



The following table reveals the percentage distribution of hired human labour hours to the total human labour hours. The percentage shares of female participation in total human labour hours is 7.89.

Table 21: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	71.46	70.41	77.23	73.22
Female	10.16	18.84	32.2	7.89
Total	81.62	89.25	109.43	81.11

Table 22: Cost of Cultivation of Coconut per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	76187	78153	77388	77584
	2020-2021	84037	90579	98578	92727
	2021-2022	91694	89611	103405	95758
Cost 'B'	2019-2020	512267	523934	538967	528621
	2020-2021	682450	607303	679246	646755
	2021-2022	673457	658073	687421	672502
Cost 'C'	2019-2020	528691	535188	545247	538493
	2020-2021	700372	618116	684531	656472
	2021-2022	689239	669802	692557	681915

Value of Output**Table 23: Value of Output per hectare (in Rs) of Coconut**

Product/By-product	Holding Size Class			
	Small	Medium	Large	All Sizes
Product	173203	160768	153423	159165
By-product	2274	2538	6939	4385
Total	175477	163306	160362	163550

The study reveals that the value of output is 1,63,550/-per hectare were as the cost of cultivation per hectare is 95,758/-.

2.3 Arecanut during 2021-22

Arecanut is one among the cash crops cultivating in the state. Similar to some other crops the area of this crop is shrinking due to various reasons. For this study 755 sample holding were selected under their holdings size classes namely small, medium and

large. The average area per holding was 0.14 hectare and the total area under the crop in the sample was 104.51 hectare.

Table 24: Area and number of holdings under Arecanut Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	615	37.39	35.78	0.06
Medium	110	36.51	34.93	0.33
Large	30	30.61	29.29	1.02
Total	755	104.51	100	0.14

Cost of Cultivation

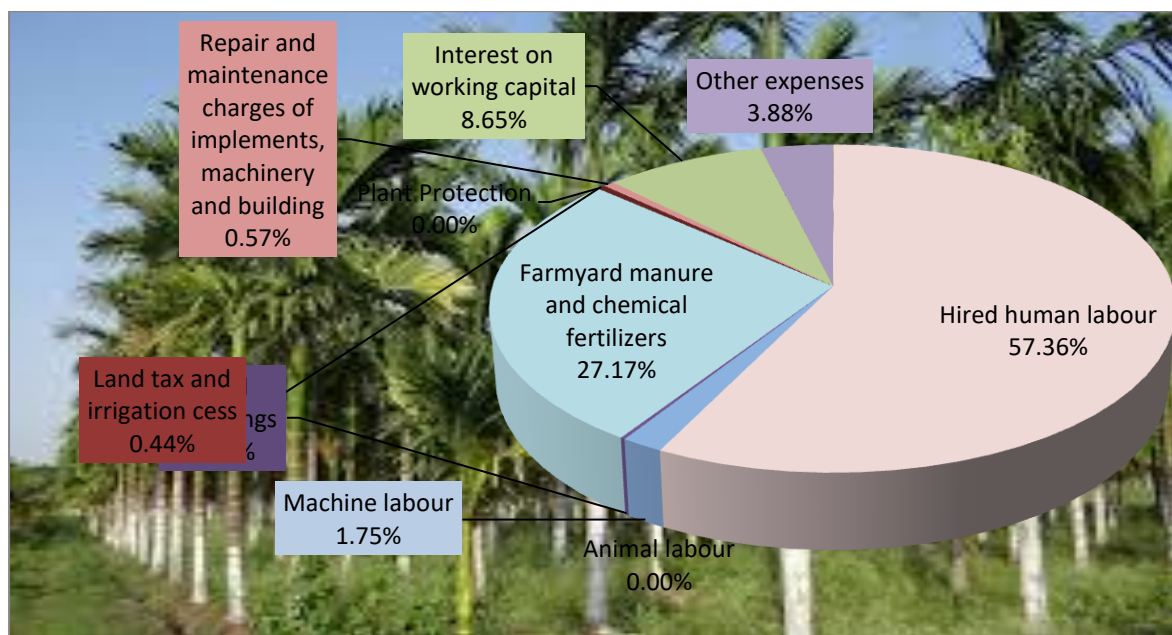
The Different cost components of Arecanut cultivation is given below. Per hectare cost expenses is worked out as Rs. 1,37,182/- excluding interest on fixed capital, interest on land value and value of household labour. Out of this 57.36% of total cost is for the hired human labour and 27.17% for farmyard manure and chemical fertilizer.

Table 25: Cost of Cultivation per hectare (in Rs) of Arecanut

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	69648	84372	82936	78684
2	Animal labour				
3	Machine labour	742	2953	3782	2405
4	Seed /seedlings	276	219	281	258
5	Farmyard manure and chemical fertilizers	28140	48513	35016	37271
6	Plant Protection				
7	Land tax and irrigation cess	523	580	722	601
8	Repair and maintenance charges of implements, machinery and building	1090	913	239	779
9	Interest on working capital	9881	13606	12201	11862

10	Other expenses	6024	5869	3812	5322
11	Total cost 'A'(1-10)	116324	157025	138989	137182
12	Interest on fixed capital	10215	11987	5329	9403
13	Cost 'B1'(11+12)	126539	169012	144318	146585
14	Interest on land value	596244	453933	484427	513777
15	Cost 'B'(13+14)	722783	622945	628745	660362
16	Imputed value of household labour	29651	17057	8484	19052
17	Cost 'C'(15+16)	752434	640002	637229	679414

Percentage Distribution of “COST A” per hectare of Arecanut during 2021-22



The following table illustrates the work participation of Arecanut cultivation. It shows that out of 72.51 per cent of the total human labour hours 13.74% has been shared by females and 58.77% has been shared by males.

Table 26: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	51.01	64.01	63.69	58.77
Female	11.91	29.57	39.42	13.74
Total	62.92	93.58	103.11	72.51

Table 27: Cost of Cultivation of Arecanut per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	98042	106313	106986	103454
	2020-2021	108323	143024	131789	127718
	2021-2022	116324	157025	138989	137182
Cost 'B'	2019-2020	591319	521878	530692	549618
	2020-2021	612084	603954	579542	598931
	2021-2022	722783	622945	628745	660362
Cost 'C'	2019-2020	621619	540505	539994	570114
	2020-2021	640711	620505	588669	617329
	2021-2022	752434	640002	637229	679414

Value of Output

Table 28: Value of Output per hectare (in Rs) of Arecanut

The estimated value of output per hectare is Rs.3,90,168/- against the per hectare Cost A of cultivation is Rs. 1,37,182/-

Holding Size Class			
Small	Medium	Large	All Sizes
325862	427649	424011	390168

2.4 Tapioca during 2021-22

Area under the crop in this study was 100.29 hectare from 558 holdings.

Table 29: Area and number of holdings under Tapioca Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	389	31.45	31.36	0.08
Medium	148	45.34	45.21	0.31
Large	21	23.5	23.43	1.12
Total	558	100.29	100	0.18

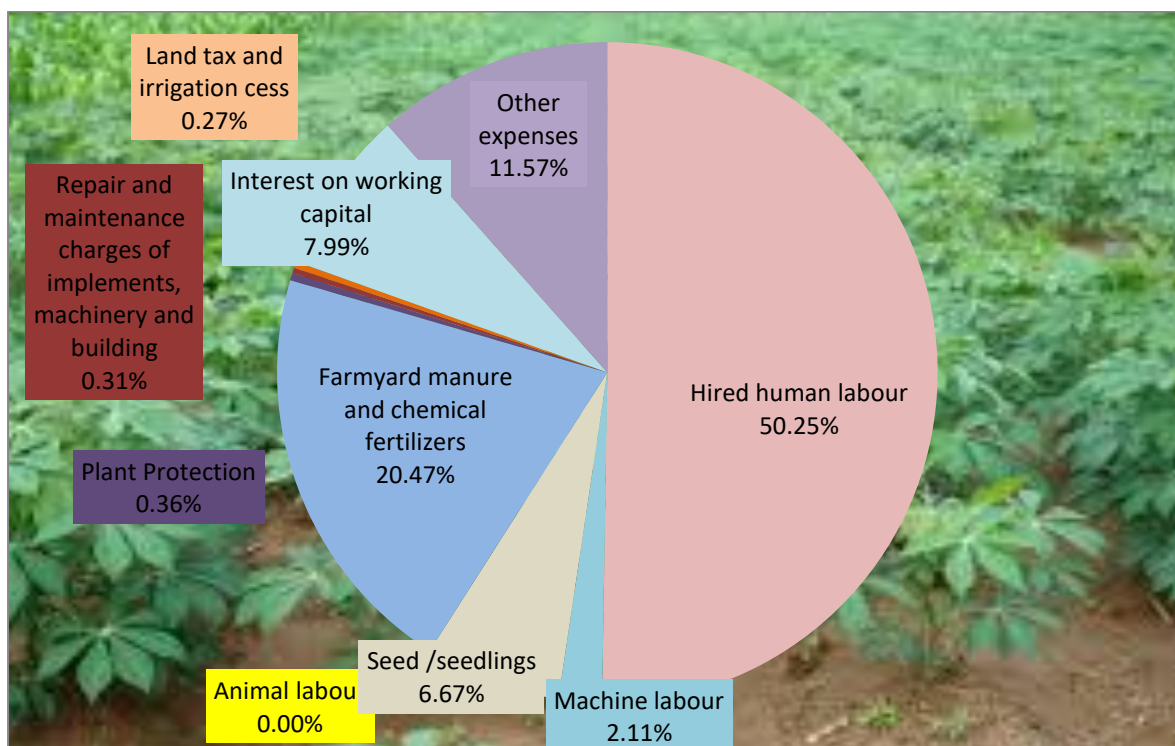
Cost of Cultivation

When Cost A is considered, per hectare cost of cultivation of tapioca is worked out as Rs.1,42,547/-. Hired human labour cost constituted 50.25% whereas farmyard manure and chemical fertilizers shares 20.47%. Interest on working capital 7.99% and other expenses contribute 11.57%. The cost of cultivation of Tapioca under different concepts is given below.

Table 30: Cost of Cultivation per hectare (in Rs) of Tapioca

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	65281	69496	84268	71636
2	Animal labour				
3	Machine labour	2195	4078	2042	3011
4	Seed /seedlings	11519	9051	7715	9512
5	Farmyard manure and chemical fertilizers	28861	24959	37741	29177
6	Plant Protection	416	491	670	509
7	Land tax and irrigation cess	322	328	572	383
8	Repair and maintenance charges of implements, machinery and building	786	323	235	448
9	Interest on working capital	10827	10807	13244	11385
10	Other expenses	14621	17576	16881	16486
11	Total cost 'A'(1-10)	134828	137109	163368	142547
12	Interest on fixed capital	3085	1184	755	1680
13	Cost 'B1'(11+12)	137913	138293	164123	144227
14	Interest on land value	577032	604649	314860	528079
15	Cost 'B'(13+14)	714945	742942	478983	672306
16	Imputed value of household labour	64202	32484	16542	38693
17	Cost 'C'(15+16)	779147	775426	495525	710999

Percentage Distribution of “COST A” per hectare of Tapioca during 2021-22



The following table shows the percentage distribution of hired human labour hours engaged in tapioca cultivation.

Table 31: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	39.44	63.15	78.25	56.59
Female	4.57	9.05	19.34	3.67
Total	44.01	72.2	97.59	60.26

In tapioca cultivation 56.59% of the total human labour hours have been shared by hired male labour.

Table 32: Cost of Cultivation of Tapioca per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	122440	120085	121482	121258
	2020-2021	126904	134484	161235	141117
	2021-2022	134828	137109	163368	142547
Cost 'B'	2019-2020	479395	529844	415868	477608
	2020-2021	625495	509960	534691	555073
	2021-2022	714945	742942	478983	672306
Cost 'C'	2019-2020	533041	557611	427191	508015
	2020-2021	682892	539520	554928	590336
	2021-2022	779147	775426	495525	710999

Value of Output

Table 33: Value of Output per hectare (in Rs) of Tapioca

Product/By-product	Holding Size Class			
	Small	Medium	Large	All Sizes
Product	374570	371039	339138	364670
By-product	6637	4654	2223	4706
Total	381207	375693	341361	369376

The value of output for medium holding size class has slight variation. The value of output per hectare of Tapioca is estimated as Rs.3,69,376/- whereas the cost of cultivation per hectare, the paid out cost actually increased by the cultivators is only Rs.1,42,547/-.

2.5 Banana during 2021-22

To study the cost of cultivation on banana 543 sample holdings were selected by covering an area of 131.92 hectares under three different holding size classes with an average area per holding of 0.24 hectare.

Table 34: Area and number of holdings under Banana Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	338	28.3	21.45	0.08
Medium	169	56.02	42.47	0.33
Large	36	47.6	36.08	1.32
Total	543	131.92	100	0.24

Cost of Cultivation

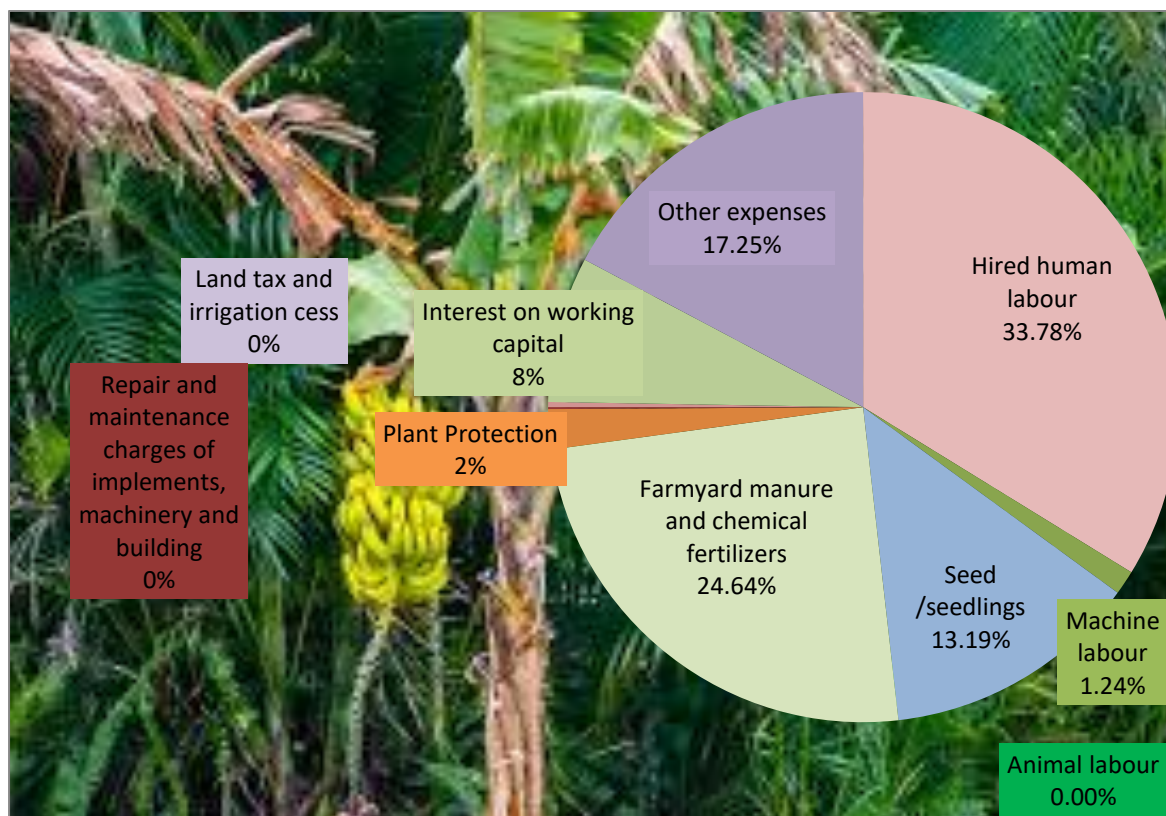
As in the case of other crops, cost of cultivation of banana is also calculated at different cost concepts such as Cost 'A', Cost 'B' and Cost 'C'. When Cost A is considered, cost of cultivation per hectare is Rs.2,41,320/-. Out of this 33.78% cost involved in hired human labour component, 24.64% cost of farmyard manure and chemical fertilizers and Seed/Seedlings constitute 13.19% and other expenses shares 17.25%.

Table 35: Cost of Cultivation per hectare (in Rs) of Banana

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	69140	74600	97030	81522
2	Animal labour				
3	Machine labour	3074	2311	3765	2999
4	Seed /seedlings	32247	29040	34837	31819
5	Farmyard manure and chemical fertilizers	52242	55333	68590	59453
6	Plant Protection	5348	5224	4421	4961
7	Land tax and irrigation cess	312	264	195	250
8	Repair and maintenance charges of implements, machinery and building	1101	569	399	622
9	Interest on working capital	16205	16651	20864	18075
10	Other expenses	33726	36138	52761	41619
11	Total cost 'A'(1-10)	213395	220130	282862	241320

12	Interest on fixed capital	12837	3361	1981	4896
13	Cost 'B1'(11+12)	226232	223491	284843	246216
14	Interest on land value	557167	511706	301290	445536
15	Cost 'B'(13+14)	783399	735197	586133	691752
16	Imputed value of household labour	85786	49438	32402	51089
17	Cost 'C'(15+16))	869185	784635	618535	742841

Percentage Distribution of “COST A” per hectare of Banana during 2021-22



In Banana cultivation male participation (57.5%) is higher than that of female 3.33%. The percentage distributions are as follows.

Table 36: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	40.86	54.85	71.77	57.5
Female	4.99	8.97	7.25	3.33
Total	45.85	63.82	79.02	60.83

Table 37: Cost of Cultivation of Banana per hectare (in Rs) during 2019-20, 2020-21, 2021-22

A Comparative statement for 2019-20, 2020-21, and 2021-22 for cost of cultivation of different concept is given below.

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	215424	212897	233637	219792
	2020-2021	226676	228648	250014	234710
	2021-2022	213394	220130	282862	241320
Cost 'B'	2019-2020	549279	539929	513505	533209
	2020-2021	730430	608696	736167	675409
	2021-2022	783399	735197	586133	691752
Cost 'C'	2019-2020	624090	579719	536369	575733
	2020-2021	818951	651936	767440	725366
	2021-2022	869185	784635	618535	742841

Value of Output

Table 38: Value of Output per hectare (in Rs) of Banana

Product/By-product	Holding Size Class			
	Small	Medium	Large	All Sizes
Product	661909	580916	624120	613880
By-product	17410	13712	9372	12940
Total	679319	594628	633492	626820

During 2021-22 per hectare value of output from banana cultivation is estimated as Rs.6,26,820/-whereas the cost A per hectare is Rs.2,41,320/-.

2.6. Pepper during 2021-22

The monopoly of the state still continues in area and production of pepper in the country. Details of the holding selected for the study is given below.

Table 39: Area and number of holdings under Pepper Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	497	27.74	60.28	0.06
Medium	45	13.15	28.57	0.29
Large	6	5.14	11.17	0.86
Total	548	46.03	100	0.08

Cost of Cultivation

The cultivation cost incurred for Pepper is entirely different when compared to the cost of Paddy and other seasonal crops. Hired human labour cost is 62.89% and the farmyard manure and chemical fertilizer cost is 19.79% for pepper cultivation. Item wise expenses incurred under pepper cultivation are as follows:

Table 40: Cost of Cultivation per hectare (in Rs) of Pepper

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	61449	63546	40866	59748
2	Animal labour				
3	Machine labour				
4	Seed /seedlings	826	3197	2315	1670
5	Farmyard manure and chemical fertilizers	20003	19160	11406	18802
6	Plant Protection	753	1213	5981	1468
7	Land tax and irrigation cess	529	635	750	584
8	Repair and maintenance charges of implements, machinery and building	997	617	370	818
9	Interest on working capital	8303	8712	6057	8169
10	Other expenses	4163	3682	1663	3746
11	Total cost 'A'(1-10)	97023	100762	69408	95005
12	Interest on fixed capital	9965	4162	1347	7346
13	Cost 'B1'(11+12)	106988	104924	70755	102351
14	Interest on land value	533948	919178	334602	621709
15	Cost 'B'(13+14)	640936	1024102	405357	724060
16	Imputed value of household labour	37144	11950	8966	26800
17	Cost 'C'(15+16))	678080	1036052	414323	750860

Percentage Distribution of “COST A” per hectare of Pepper during 2021-22

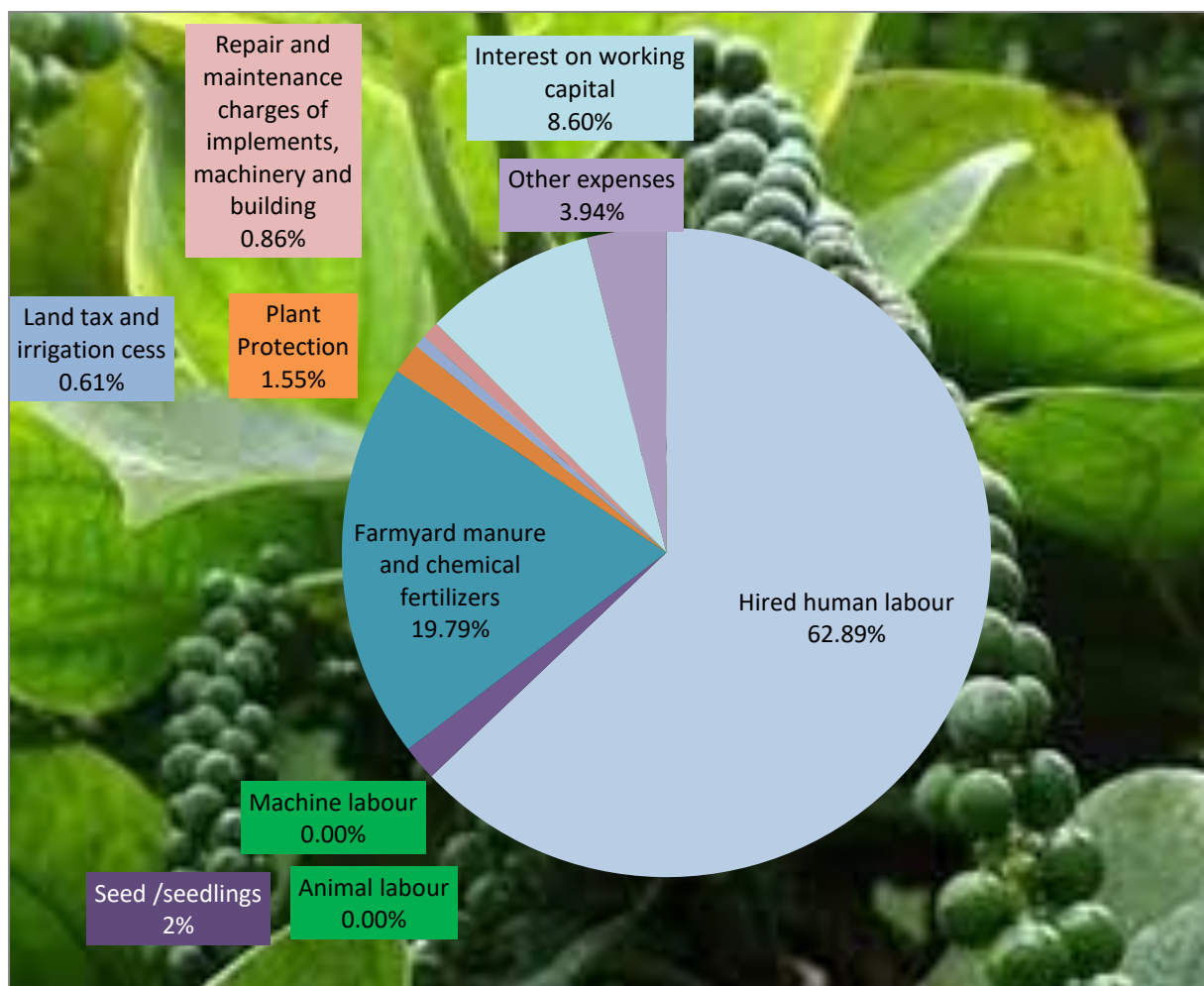


Table 41: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	55.72	77.06	66.48	61.88
Female	9.89	20.7	25.52	5.6
Total	65.61	97.76	92.00	67.48

Table 42: Cost of Cultivation of Pepper per hectare (in Rs) during 2019-20, 2020-21, 2021-22

A Comparative statement for 2019-20, 2020-21, and 2021-22 for cost of cultivation of different concept is given below.

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	88199	83543	69935	82583
	2020-2021	91965	95285	83963	91110
	2021-2022	97023	100762	69408	95005
Cost 'B'	2019-2020	539744	408532	232322	426577
	2020-2021	726764	665386	560610	668001
	2021-2022	640936	1024102	405357	724060
Cost 'C'	2019-2020	581151	427000	245996	453850
	2020-2021	766558	678897	574401	693350
	2021-2022	678080	1036052	414323	750860

Value of Output

Table 43: Value of Output per hectare (in Rs) of Pepper

Holding Size Class			
Small	Medium	Large	All Sizes
259563	213663	119188	230770

During 2021-22 it is estimated that Rs.2,30,770/- has been received as value of output from Pepper cultivation whereas the cost A is Rs.95,005/-

2.7 Ginger during 2021-22

For the cost of cultivation study during 2021-22,429 sample holding were selected for the crop, ginger and total area covered for study is 37.25 hectare.

Table 44: Area and number of holdings under Ginger Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	381	16.78	45.06	0.04
Medium	40	11.52	30.93	0.29
Large	8	8.95	24.03	1.12
Total	429	37.25	100	0.09

Cost of Cultivation

Among various components of cost of ginger cultivation, hired human labour, seed/ seedling, fertilizer etc. are the top three components. Hired human labour alone accorded 39 % of the total cost. Seed/ Seedling and farmyard manure and fertilizer share is 28% and 15% of total cost of cultivation per hectare.

Table 45: Cost of Cultivation per hectare (in Rs) of Ginger

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	70333	97345	77500	80409
2	Animal labour				
3	Machine labour	215	1896	6122	2154
4	Seed /seedlings	53655	59109	67475	58662
5	Farmyard manure and chemical fertilizers	27217	32775	39449	31875
6	Plant Protection	554	2388	3080	1728
7	Land tax and irrigation cess	380	260	279	319
8	Repair and maintenance charges of implements, machinery and building	1555	477	122	877
9	Interest on working capital	15197	19351	19363	17483
10	Other expenses	10168	17336	24175	15750
11	Total cost 'A'(1-10)	179274	230937	237565	209257
12	Interest on fixed capital	3093	1211	2562	2384
13	Cost 'B1'(11+12)	182367	232148	240127	211641
14	Interest on land value	538296	279414	244276	387594
15	Cost 'B'(13+14)	720663	511562	484403	599235
16	Imputed value of household labour	57412	31937	7971	37655
17	Cost 'C'(15+16)	778075	543499	492374	636890

Percentage Distribution of “COST A” per hectare of Ginger during 2021-22

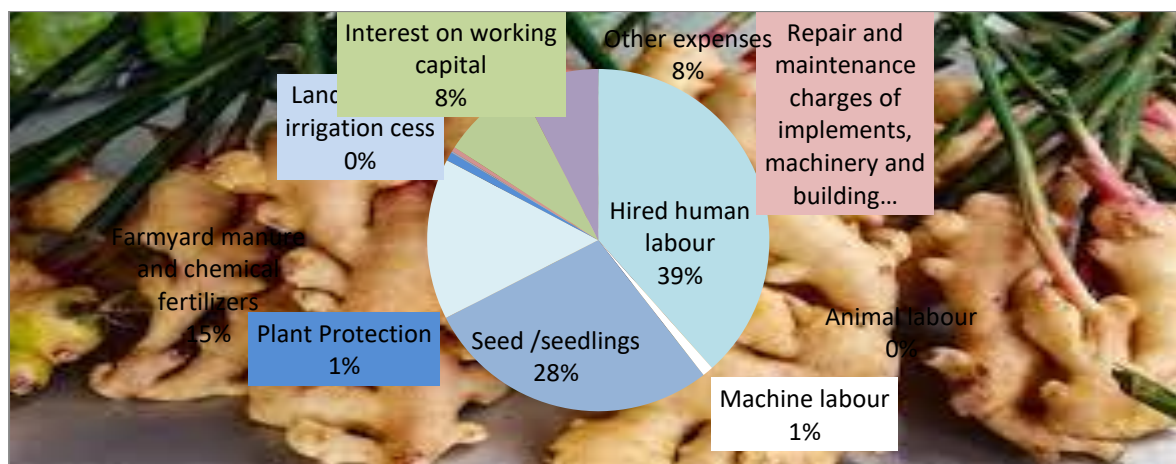


Table 46: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	47.92	47.64	35.68	44.81
Female	10.7	35.47	46.55	26.42
Total	58.62	83.11	82.23	71.23

Table 47: Cost of Cultivation of Ginger per hectare (in Rs) during 2019-20, 2020-21, 2021-22,

A Comparative statement for 2019-20, 2020-21, and 2021-22 for cost of cultivation of different concept is given below.

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	188845	267686	114805	204188
	2020-2021	179105	231572	192601	199246
	2021-2022	179274	230937	237565	209257
Cost 'B'	2019-2020	529993	472941	219931	464225
	2020-2021	673670	558084	398140	586229
	2021-2022	720663	511562	484403	599235
Cost 'C'	2019-2020	598898	503352	224575	510544
	2020-2021	743829	585513	411486	631956
	2021-2022	778075	543499	492374	636890

Value of Output

Table 48: Value of Output per hectare (in Rs) of Ginger

Holding Size Class			
Small	Medium	Large	All Sizes
420726	382904	600318	452175

Per hectare value of output estimated from Ginger cultivation is Rs.4,52,175/- and the cost of cultivation per hectare is Rs.2,09,257 excluding interest on fixed capital, land value and the household labour.

2.8. Turmeric during 2021-22

Sample holdings selected for the cost of cultivation study of turmeric is 472 which distributed among the three holding size classes and total area within the sample holding was 29.94 hectares.

Table 49: Area and number of holdings under Turmeric Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	443	19.8	66.13	0.04
Medium	28	8.12	27.12	0.29
Large	1	2.02	6.75	2.02
Total	472	29.94	100	0.06

Cost of Cultivation

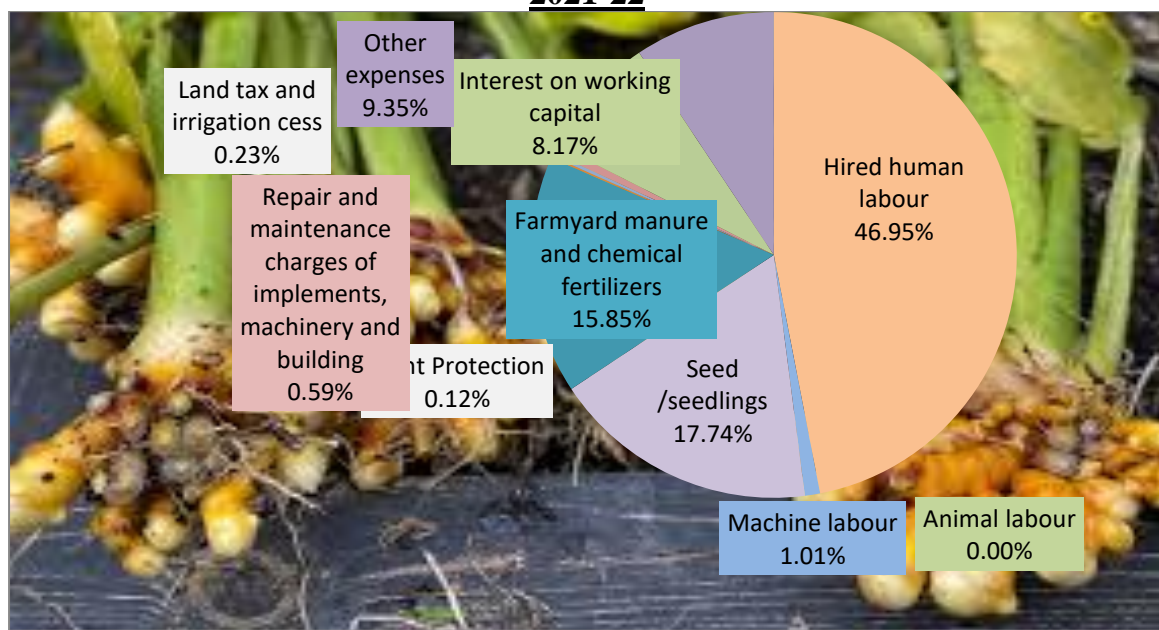
The cash and other expenses incurred under Turmeric cultivation is estimated as Rs.1,38,264/-per hectare. Out of this 46.95% is for hired human labour 17.74% for seed/seedlings and 15.85% for farmyard manure and fertilizer cost respectively.

Table 50: Cost of Cultivation per hectare (in Rs) of Turmeric

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	69214	58031	50428	64911
2	Animal labour				
3	Machine labour	989	2740		1397
4	Seed /seedlings	27531	22377	3705	24523
5	Farmyard manure and chemical fertilizers	22677	19786	22971	21913
6	Plant Protection	138	298		172
7	Land tax and irrigation cess	356	286		313
8	Repair and maintenance charges of implements, machinery and building	1064	394	40	813

9	Interest on working capital	12055	10323	7710	11292
10	Other expenses	9529	15731	34951	12930
11	Total cost 'A'(1-10)	143553	129966	119805	138264
12	Interest on fixed capital	2701	371	31	1888
13	Cost 'B1'(11+12)	146254	130337	119836	140152
14	Interest on land value	513825	357802	279999	455700
15	Cost 'B'(13+14)	660079	488139	399835	595852
16	Imputed value of household labour	62123	29934	2282	49347
17	Cost 'C'(15+16)	722202	518073	402117	645199

Percentage Distribution of “COST A” per hectare of Turmeric during 2021-22



The following table illustrates the percentage distribution of hired labour hours to the total human labour hours engaged in turmeric cultivation.

Table 51: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	43.26	41.9	77.86	43.98
Female	12.66	29.48	44.11	11.95
Total	55.92	71.38	121.97	55.93

Table 52: Cost of Cultivation of Turmeric per hectare (in Rs) during 2019-20, 2020-21, 2021-22

A Comparative statement for 2019-20, 2020-21, and 2021-22 for cost of cultivation of different concept is given below.

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	132781	116816	170771	129665
	2020-2021	128538	163284	171779	141668
	2021-2022	143553	129966	119805	138264
Cost 'B'	2019-2020	447250	571215	316457	480656
	2020-2021	678281	464734	555982	614223
	2021-2022	660079	488139	399835	595852
Cost 'C'	2019-2020	521472	604094	367833	540011
	2020-2021	748191	491505	574708	668122
	2021-2022	722202	518073	402117	645199

In 2021-22 cost of cultivation of Turmeric per hectare is decreased when compared to previous years.

Value of Output

Table 53: Value of Output per hectare (in Rs) of Turmeric

Holding Size Class			
Small	Medium	Large	All Sizes
315505	262504	166725	291072

The per hectare value of output estimated from Turmeric cultivation is Rs.2,91,072/- and the cost of cultivation per hectare is Rs.1,38,264/- excluding interest on fixed capital, land value and the household labour.

2.9 Pineapple during 2021-22

In the cost of cultivation study on pineapple 199 sample holdings were selected by covering area 510.76 hectares. Details of these holding are given below.

Table 54: Area and number of holdings under Pineapple Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	50	3.1	0.61	0.06
Medium	54	22.15	4.34	0.41
Large	95	485.51	95.06	5.11
Total	199	510.76	100	2.57

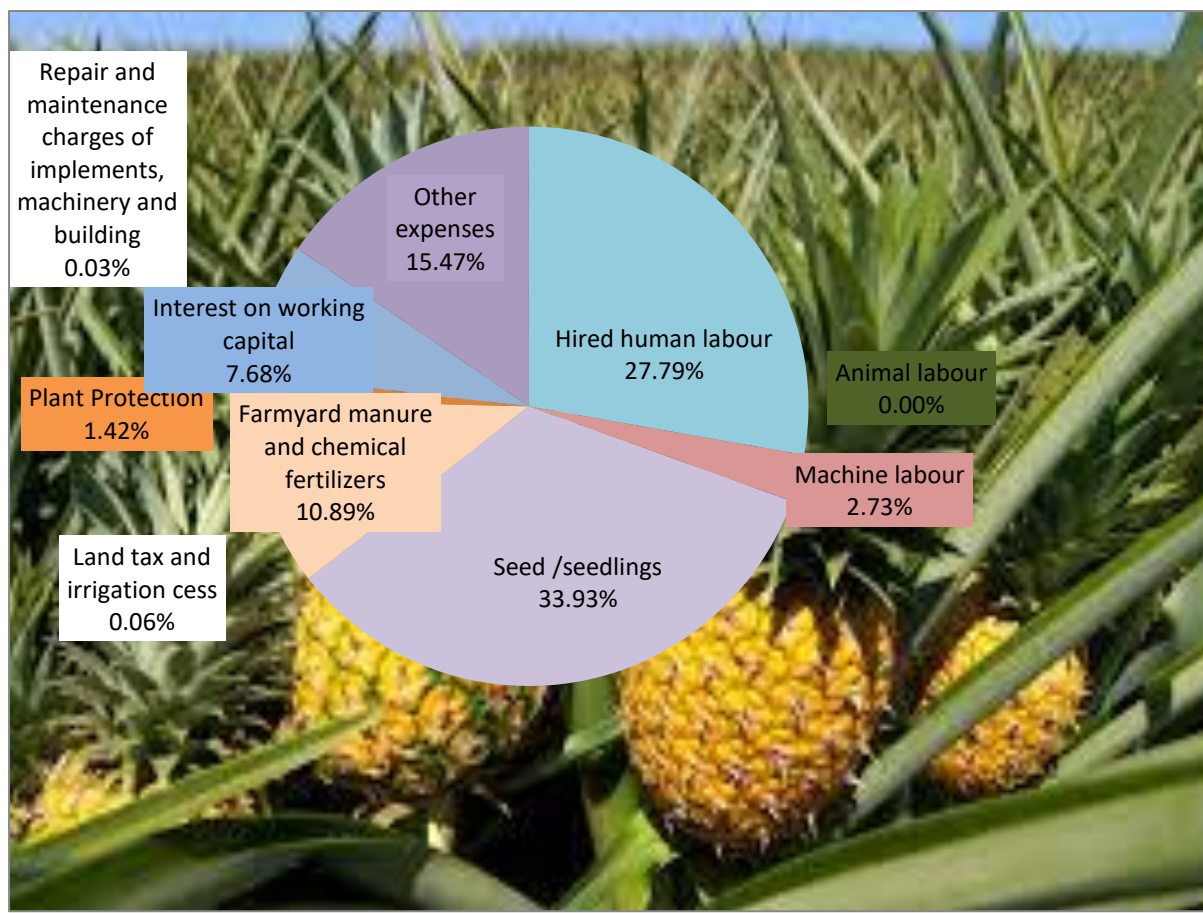
Cost of Cultivation

As in the case of other crops, cost of cultivation of pineapple is also calculated at different concepts such as Cost 'A', Cost 'B1', Cost 'B' and Cost 'C'. When Cost A is considered, cost of cultivation per hectare of pineapple is Rs.2,50,088/-.

Table 55: Cost of Cultivation per hectare (in Rs) of Pineapple

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	57985	72357	69430	69487
2	Animal labour				
3	Machine labour	1614	5243	6936	6831
4	Seed /seedlings	59401	85189	85013	84865
5	Farmyard manure and chemical fertilizers	25983	34250	26925	27237
6	Plant Protection	2278	4847	3498	3549
7	Land tax and irrigation cess	488	1684	84	156
8	Repair and maintenance charges of implements, machinery and building	2680	566	41	80
9	Interest on working capital	14726	20189	19180	19197
10	Other expenses	11178	31636	39183	38686
11	Total cost 'A'(1-10)	176333	255961	250290	250088
12	Interest on fixed capital	6222	1533	376	462
13	Cost 'B1'(11+12)	182555	257494	250666	250550
14	Interest on land value	825542	719256	555930	564646
15	Cost 'B'(13+14)	1008097	976750	806596	815196
16	Imputed value of household labour	27640	12174	7947	8250
17	Cost 'C'(15+16))	1035737	988924	814543	823446

Percentage Distribution of “COST A” per hectare of Pineapple during 2021-22



The hired human labour cost accounted as 27.79% whereas farmyard manure and chemical fertilizers cost as 10.89 percent of the total Cost ‘A’. Seedling cost constitutes to 33.93% of the total cost ‘A’.

In Pineapple cultivation, male participation is higher than that of female. The percentage distributions of these facts are as follows.

Table 56: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	62.1	48.21	78.21	76.08
Female	15.42	11.48	35.63	11.67
Total	77.52	59.69	113.84	87.75

Table 57: Cost of Cultivation of Pineapple per hectare (in Rs) during 2019-20, 2020-21, 2021-22

A Comparative statement for 2019-20, 2020-21, and 2021-22 for cost of cultivation of different concept is given below.

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	188043	231501	248962	245327
	2020-2021	180893	245740	240599	240287
	2021-2022	176333	255961	250290	250088
Cost 'B'	2019-2020	452151	612561	724492	706782
	2020-2021	858257	984185	852392	857567
	2021-2022	1008097	976750	806596	815196
Cost 'C'	2019-2020	496939	628041	740609	722762
	2020-2021	889011	997566	861431	866960
	2021-2022	1035737	988924	814543	823446

Value of Output

Table 58: Value of Output per hectare (in Rs) of Pineapple

Product/By-product	Holding Size Class			
	Small	Medium	Large	All Sizes
Product	304840	426046	400718	401235
By-product	11091	11323	19630	19218
Total	315931	437369	420348	420453

During 2021-22 per hectare value of output from pineapple cultivation is estimated as Rs.4, 20,453/- and the cost of cultivating per hectare of pineapple is Rs.2, 50,088/-.

2.10.1 Bitter gourd – Autumn during 2021-22

For this study details of holding selected and area coverage are given below. The data collected from 245 sample holdings by covering 29.11 hectares and the average area per holding is 0.12 hectare.

Table 59: Area and number of holdings under Bitter gourd(Autumn)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	200	12.04	41.36	0.06
Medium	39	10.79	37.07	0.28
Large	6	6.28	21.57	1.05
Total	245	29.11	100	0.12

Cost of Cultivation

When Cost A is considered about 40.16 of cost constitutes to hired human labour, Interest on working capital shares 6.82 % and farmyard manure and chemical fertilizers accounts to 18.43%. The total cost of cultivating one hectare of Bitter gourd in autumn season is Rs.1,53,310/-.

Table 60: Cost of Cultivation per hectare (in Rs) of Bitter gourd(Autumn)

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	59844	60191	67243	61568
2	Animal labour				
3	Machine labour	1474	3332	3171	2528
4	Seed /seedlings	7666	7387	9131	7878
5	Farmyard manure and chemical fertilizers	33071	24768	25025	28259
6	Plant Protection	4388	5408	2231	4301
7	Land tax and irrigation cess	257	152		163
8	Repair and maintenance charges of implements, machinery and building	1260	340	55	659
9	Interest on working capital	10644	10109	10680	10453
10	Other expenses	40055	35429	36161	37501
11	Total cost 'A'(1-10)	158659	147116	153697	153310
12	Interest on fixed capital	4324	9282	2839	5842

13	Cost 'B1'(11+12)	162983	156398	156536	159152
14	Interest on land value	405508	353222	234103	349177
15	Cost 'B'(13+14)	568491	509620	390639	508329
16	Imputed value of household labour	97676	53692	17807	64155
17	Cost 'C'(15+16))	666167	563312	408446	572484

Percentage Distribution of “COST A” per hectare of BitterGourd(Autumn) during 2021-22

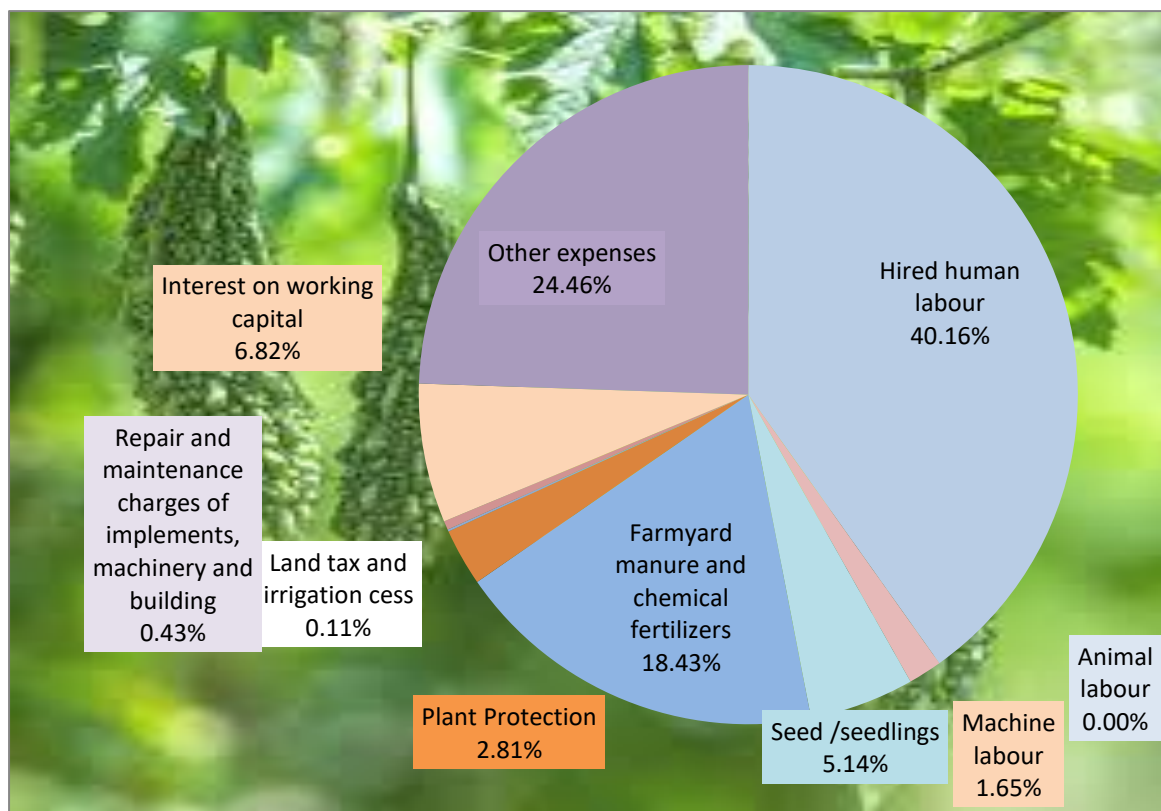


Table 61: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	33.21	33.67	66.26	38.36
Female	4.85	25.31	27.86	11.82
Total	38.06	58.98	94.12	50.18

In Bitter gourd (Autumn) cultivation 11.82% of the total human labour hours share to female participation of hired human labour hour

Table 62: Cost of Cultivation of Bitter gourd(Autumn) per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	176395	146454	109593	145821
	2020-2021	165063	164729	116527	157599
	2021-2022	158659	147116	153697	153310
Cost 'B'	2019-2020	496926	545707	205060	447524
	2020-2021	500031	573241	598120	543371
	2021-2022	568491	509620	390639	508329
Cost 'C'	2019-2020	616443	599926	212861	508772
	2020-2021	595789	632358	613149	612657
	2021-2022	666167	563312	408446	572484

Value of Output

Table 63: Value of product and by-product per hectare (in Rs) of Bitter gourd (Autumn)2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
367665	376576	243867	344280

The value of output per hectare of Bitter gourd (Autumn) is estimated as Rs.3,44,280/- whereas the cost of cultivation per hectare is Rs.1,53,310/-

2.10.2 Bitter gourd – Winter during 2021-22

During 2021-22 Cost of cultivation study on Bitter Gourd (winter) season 248 sample holdings by covering 23.15 hectares and selected the average area per holding covers to 0.09 hectare.

**Table 64: Area and number of holdings under Bitter gourd(Winter)
Cultivation**

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	205	11.02	47.6	0.05
Medium	43	12.13	52.4	0.28
Large				
Total	248	23.15	100	0.09

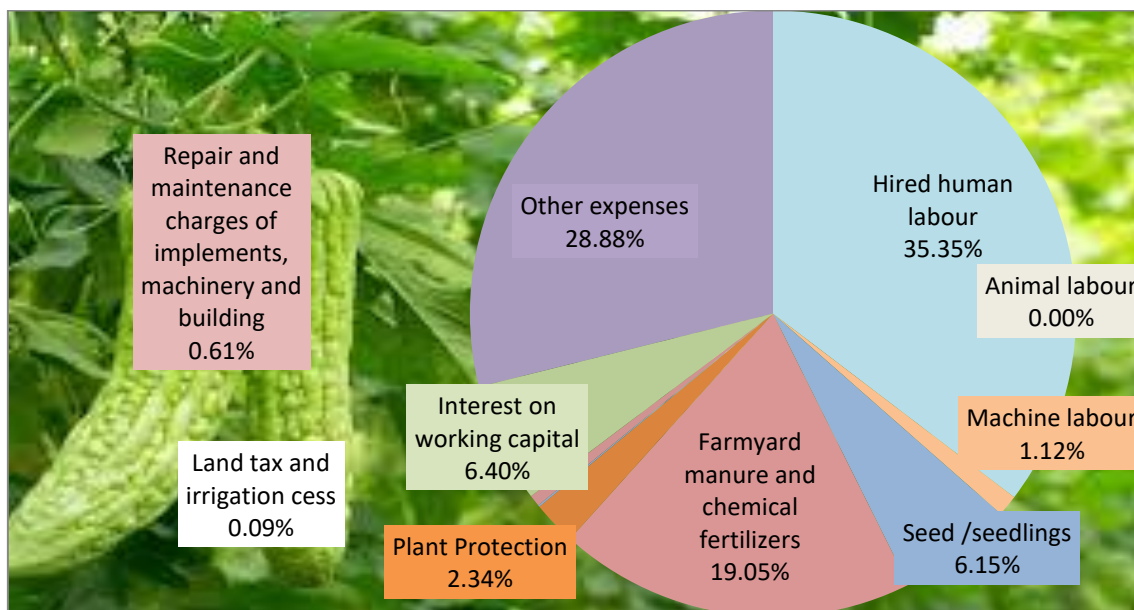
Cost of Cultivation

When Cost A is taken the major share of the cost component was hired human labour. It constitutes 35.35%. Also farmyard manure and chemical fertilizers account 19.05%. Other expense account was 28.88%. By considering the various component of Bitter gourd (Winter) cultivation, per hectare cost calculated as Rs.1,54,286/-.

Table 65: Cost of Cultivation per hectare (in Rs) of Bitter gourd(Winter)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	49950	58725		54547
2	Animal labour				—
3	Machine labour	2219	1286		1730
4	Seed /seedlings	9471	9490		9481
5	Farmyard manure and chemical fertilizers	34913	24381		29395
6	Plant Protection	4201	3066		3606
7	Land tax and irrigation cess	179	111		144
8	Repair and maintenance charges of implements, machinery and building	1411	524		946
9	Interest on working capital	10075	9695		9876
10	Other expenses	62004	28707		44561
11	Total cost 'A'(1-10)	174423	135985		154286
12	Interest on fixed capital	13866	10597		12151
13	Cost 'B1'(11+12)	188289	146582		166437
14	Interest on land value	377736	307350		340863
15	Cost 'B'(13+14)	566025	453932		507300
16	Imputed value of household labour	115714	51240		81938
17	Cost 'C'(15+16))	681739	505172		589238

Percentage Distribution of “COST A” per hectare of BitterGourd(Winter) during 2021-22



Sex wise work participation percentage of hired human labours for Bitter Gourd(winter) cultivation shown below reveals that 11.48% work shared by Female whereas percentage share to male workers is 29.70 %.

Table 66: Percentage of hired human labour hours to total human labour hours

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	25.53	34.88		29.70
Female	5.01	24.28		11.48
Total	30.54	59.16		41.18

Table 67: Cost of Cultivation of Bitter gourd(Winter) per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	166455	130308	112758	145423
	2020-2021	152506	152720	89739	146981
	2021-2022	174423	135985		154286
Cost 'B'	2019-2020	440252	465598	215733	376233
	2020-2021	540244	640092	456557	572568
	2021-2022	566025	453932		507300
Cost 'C'	2019-2020	557718	524620	234095	440969
	2020-2021	651595	692626	470099	651734
	2021-2022	681739	505172		589238

Value of Output

Table 68: Value of product and by-product per hectare (in Rs) of Bitter gourd(Winter)2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
427259	380693		402864

2.10.3 Bitter Gourd - Summer during 2021-22

For the cost of cultivation study on Bitter Gourd (summer) during 2021-22 the total number of sample holdings selected was 226. The details of these holdings are presented below.

Table 69: Area and number of holdings under Bitter gourd(Summer)Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	212	11.47	69.98	0.05
Medium	13	4.11	25.08	0.32
Large	1	0.81	4.94	0.81
Total	226	16.39	100	0.07

The total area under cultivation in the selected sample holdings covers 16.39 hectares and the average size of a holding is 0.07 hectare.

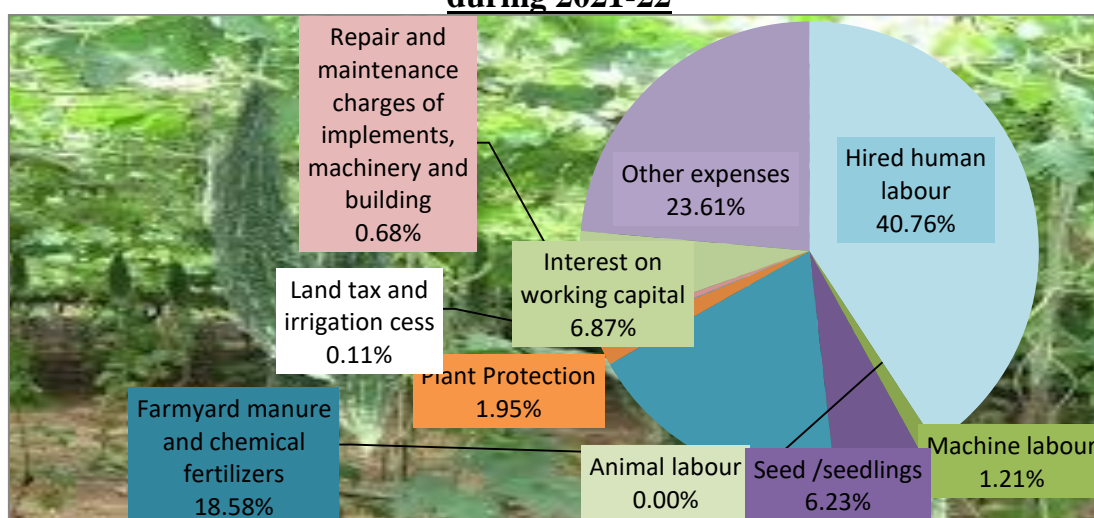
Cost of Cultivation

Cost of cultivation of Bitter Gourd (Summer) per hectare is estimated as Rs.1,63,858/- when Cost 'A' is considered. Hired human labour gives a share of 40.76% and other expense gives 23.61%. Component wise holding size class details are presented below.

Table 70: Cost of Cultivation per hectare (in Rs) of Bitter gourd(Summer)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	59878	77653	109446	66784
2	Animal labour				
3	Machine labour	626		31245	1982
4	Seed /seedlings	10238	10950	6175	10216
5	Farmyard manure and chemical fertilizers	34906	18854	26102	30446
6	Plant Protection	3185	3454	2012	3194
7	Land tax and irrigation cess	207	139		180
8	Repair and maintenance charges of implements, machinery and building	1416	470		1109
9	Interest on working capital	10883	11091	17498	11262
10	Other expenses	41919	27829	47980	38685
11	Total cost 'A'(1-10)	163258	150440	240458	163858
12	Interest on fixed capital	9958	3406	354	7840
13	Cost 'B'(11+12)	173216	153846	240812	171698
14	Interest on land value	396384	402256	329992	394576
15	Cost 'B'(13+14)	569600	556102	570804	566274
16	Imputed value of household labour	100320	42679	5928	81203
17	Cost 'C'(15+16))	669920	598781	576732	647477

Percentage Distribution of “COST A” per hectare of Bitter gourd(Summer) during 2021-22



In Bitter Gourd (Summer) cultivation male labour participation accounted as 39.26% of the labour hours. Details are given below.

Table 71: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	34.36	48.36	77.43	39.26
Female	2.46	24.27	43.68	5.64
Total	36.82	72.63	121.11	44.9

Table 72: Cost of Cultivation of Bitter gourd(Summer)per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	159742	150292		156830
	2020-2021	139177	155187	93899	138805
	2021-2022	163258	150440	240458	163858
Cost 'B'	2019-2020	391954	374825		386678
	2020-2021	531057	444081	485556	496976
	2021-2022	569600	556102	570804	566274
Cost 'C'	2019-2020	530618	454667		507216
	2020-2021	651210	534321	494405	593557
	2021-2022	669920	598781	576732	647477

Value of Output

Table 73: Value of product and by-product per hectare (in Rs) of Bitter gourd(Summer)2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
392252	293715	317488	363851

2.11.1 Cowpea – Autumn during 2021-22

250 samples were selected by covering area of 22.95 hectares and the average area per holding was 0.09 hectare.

Table 74: Area and number of holdings under Cowpea (Autumn) Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	215	13.38	58.28	0.06
Medium	35	9.57	41.68	0.27
Large				
Total	250	22.95	100	0.09

Cost of Cultivation

When Cost 'A' is considered about 37.70% percent of cost constitutes to hired human labour and farmyard manure and chemical fertilizers accounts to 19.71%. But the other expenses account a share of 28.12%.

Table 75: Cost of Cultivation per hectare (in Rs) of Cowpea (Autumn)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	55833	58890		57108
2	Animal labour				
3	Machine labour	593	1889		1134
4	Seed /seedlings	6046	4640		5460
5	Farmyard manure and chemical fertilizers	31669	27312		29852
6	Plant Protection	4195	4829		4459
7	Land tax and irrigation cess	176	126		155
8	Repair and maintenance charges of implements, machinery and building	1449	181		920
9	Interest on working capital	9834	9756		9801
10	Other expenses	46989	36439		42589
11	Total cost 'A'(1-10)	156784	144062		151478
12	Interest on fixed capital	17980	7450		13588
13	Cost 'B1'(11+12)	174764	151512		165066
14	Interest on land value	460249	456591		458723
15	Cost 'B'(13+14)	635013	608103		623789
16	Imputed value of household labour	96249	54028		78641
17	Cost 'C'(15+16)	731262	662131		702430

Percentage Distribution of “COST A” per hectare of Cowpea (Autumn) during 2021-22

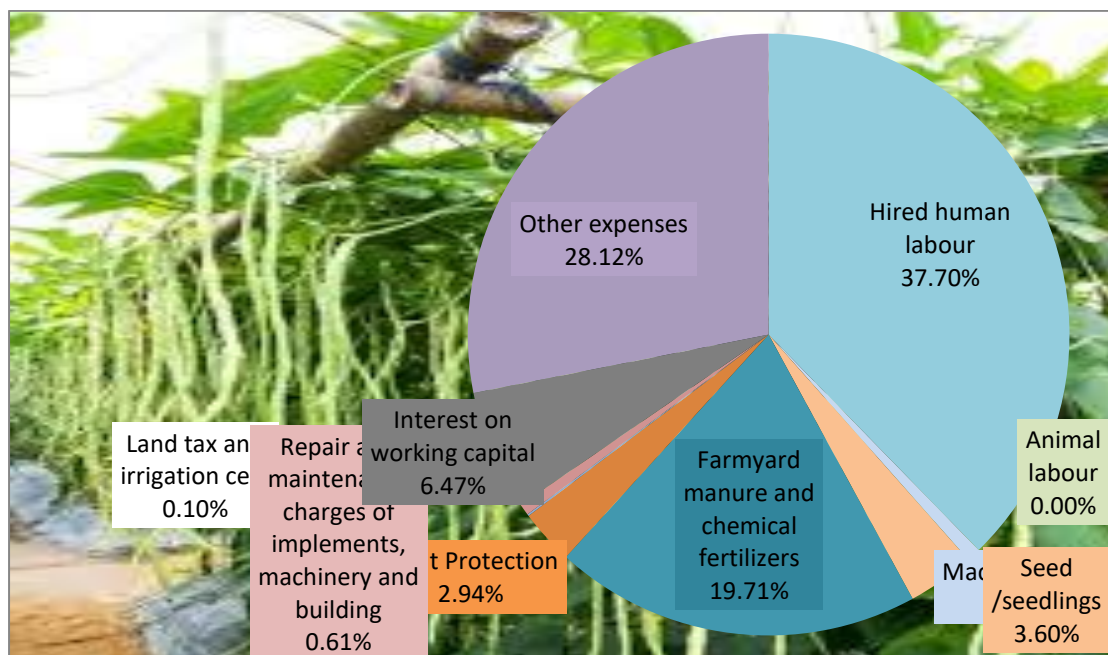


Table 76: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	31.92	37.87		34.08
Female	5.77	21.44		8.83
Total	37.69	59.31		42.91

In Cowpea (autumn) cultivation 34.08% of total labour hours goes to males.

Table 77: Cost of Cultivation of Cowpea (Autumn)per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	150684	146396	119580	143289
	2020-2021	149790	164393	156980	156719
	2021-2022	156784	144062		151478
Cost 'B'	2019-2020	469795	629294	312034	500247
	2020-2021	515377	504786	709859	540651
	2021-2022	635013	608103		623789
Cost 'C'	2019-2020	573100	674662	322848	564618
	2020-2021	608662	568562	745284	613360
	2021-2022	731262	662131		702430

Value of Output**Table 78: Value of product and by-product per hectare (in Rs) of Cowpea (Autumn)2021-22**

Holding Size Class			
Small	Medium	Large	All Sizes
367980	314498		345676

2.11.2 Cowpea – Winter during 2021-22

During 2021-22 Cost of cultivation study on Cowpea (winter) was conducted in 289 holdings by covering 27.95 hectare of land. Details of these holdings are given below.

Table 79: Area and number of holdings under Cowpea (Winter)Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	248	15.22	54.45	0.06
Medium	39	11.11	39.75	0.28
Large	2	1.62	5.8	0.81
Total	289	27.95	100	0.10

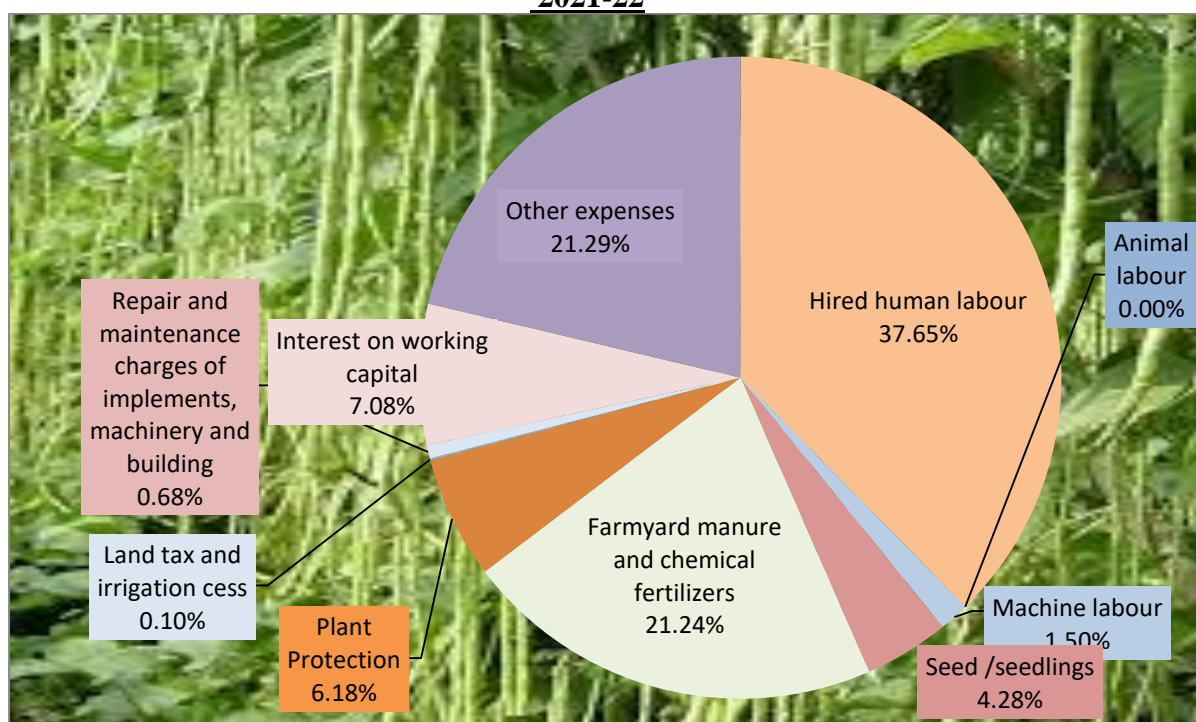
Cost of Cultivation

In Cost 'A' the major share of the cost component was hired human labour. It constitutes 37.65% and farmyard manure and chemical fertilizers which accounted 21.24% respectively. Interest on working capital was 7.08%. The share of other expenses 21.29%. By considering the various cost component of Cowpea (Winter) Cultivation per hectare cost calculated as Rs.1,51,090/-.

Table 80: Cost of Cultivation per hectare (in Rs) of Cowpea (Winter)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	45836	63009	118699	56885
2	Animal labour				
3	Machine labour	1932	2345	4940	2270
4	Seed /seedlings	7227	5652	4847	6463
5	Farmyard manure and chemical fertilizers	32768	32764	21020	32085
6	Plant Protection	12962	5509	1497	9335
7	Land tax and irrigation cess	225	85		156
8	Repair and maintenance charges of implements, machinery and building	1613	285	482	1020
9	Interest on working capital	10073	10928	15100	10704
10	Other expenses	34751	26813	44707	32172
11	Total cost 'A'(1-10)	147387	147390	211292	151090
12	Interest on fixed capital	11776	9585	605	10257
13	Cost 'B1'(11+12)	159163	156975	211897	161347
14	Interest on land value	434227	321358	573781	397447
15	Cost 'B'(13+14)	593390	478333	785678	558794
16	Imputed value of household labour	109324	54138	18772	82140
17	Cost 'C'(15+16)	702714	532471	804450	640934

Percentage Distribution of “COST A” per hectare of Cowpea (Winter) during 2021-22



Sex wise work participation in hired human labours for Cowpea (winter) cultivation reveals that 10.82% of work shared by female whereas 30.85% shared by male workers.

The Following table reveals the percentage of hired labour hours to total human labour hours.

Table 81: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	24.48	34.73	76.69	30.85
Female	5.69	24.69	31.21	10.82
Total	30.17	59.42	107.9	41.67

Table 82: Cost of Cultivation of Cowpea (Winter) per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	137230	147492	129133	141440
	2020-2021	141489	152686	220735	148688
	2021-2022	147387	147390	211292	151090
Cost 'B'	2019-2020	400151	454935	232756	415812
	2020-2021	537690	416601	281071	474965
	2021-2022	593390	478333	785678	558794
Cost 'C'	2019-2020	508358	520697	237147	499075
	2020-2021	645531	482334	301683	561044
	2021-2022	702714	532471	804450	640934

Value of Output**Table 83: Value of product and by-product per hectare (in Rs) of Cowpea (Winter)2021-22**

Holding Size Class			
Small	Medium	Large	All Sizes
376909	349696	306033	361985

2.11.3 Cowpea – Summer (Puncha) during 2021-22

For the Cost of cultivation study on Cowpea (Summer) during 2021-22 the total number of holdings selected was 308. The details of these holdings are presented below.

Table 84: Area and number of holdings under Cowpea (summer)Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	275	16.26	64.65	0.06
Medium	33	8.89	35.35	0.27
Large				
Total	308	25.15	100	0.08

The total area under cultivation in the selected sample holdings covers to 25.15 hectares and the average size of a holding is 0.08 hectare.

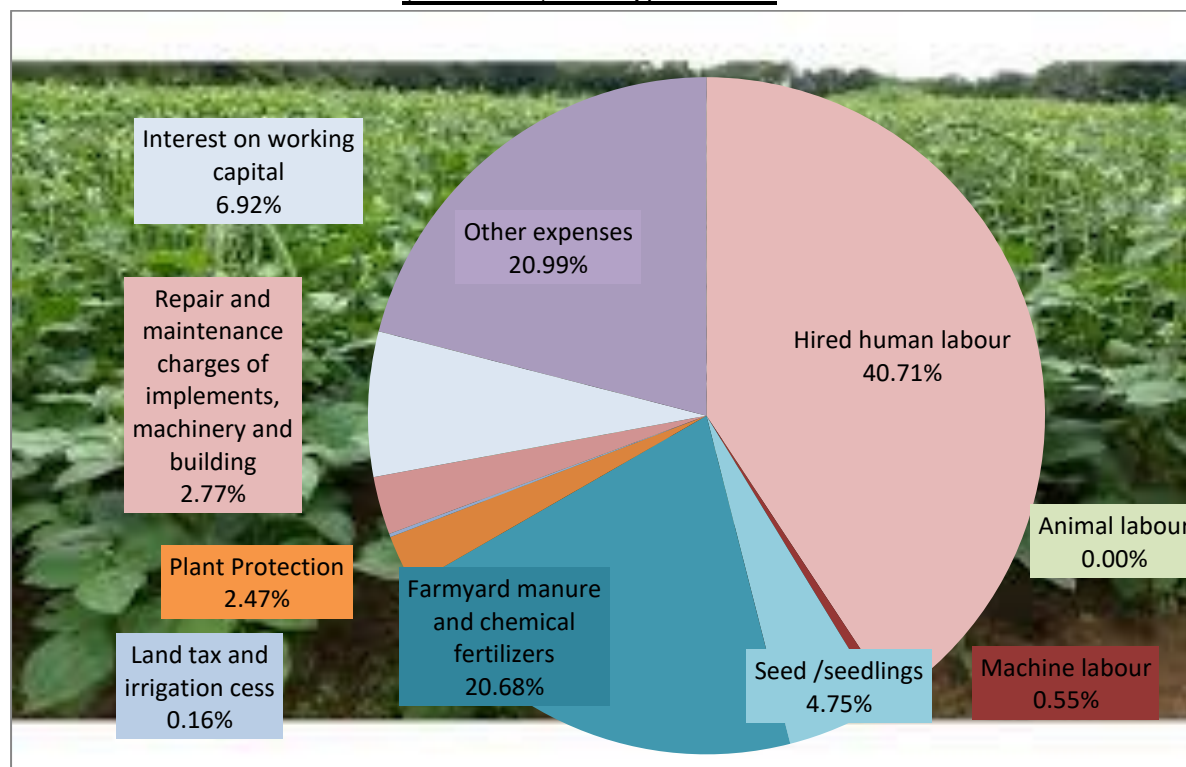
Cost of Cultivation

Cost of cultivation of Cowpea (summer) per hectare is estimated as Rs.1,47,202/- when cost 'A' is considered. Cost incurred for hired human labour is 40.71% of the total cost and farmyard manure and chemical fertilizer is 20.68% of the total cost, but the other expenses share is 20.99%.

Table 85: Cost of Cultivation per hectare (in Rs) of Cowpea (Summer)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	54347	70137		59927
2	Animal labour				
3	Machine labour	1108	281		816
4	Seed /seedlings	7920	5292		6991
5	Farmyard manure and chemical fertilizers	32401	26872		30447
6	Plant Protection	3898	3155		3636
7	Land tax and irrigation cess	264	185		236
8	Repair and maintenance charges of implements, machinery and building	5767	979		4075
9	Interest on working capital	9967	10574		10182
10	Other expenses	33519	26084		30892
11	Total cost 'A'(1-10)	149191	143559		147202
12	Interest on fixed capital	17788	3004		12561
13	Cost 'B1'(11+12)	166979	146563		159763
14	Interest on land value	369539	528910		425861
15	Cost 'B'(13+14)	536518	675473		585624
16	Imputed value of household labour	116102	67440		98904
17	Cost 'C'(15+16)	652620	742913		684528

Percentage Distribution of “COST A” per hectare of Cowpea (Summer) during 2021-22



In Cowpea summer cultivation hired male labour participation accounted as 32.51% of the total labour hours. Details are given below.

Table 86: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	28.42	41.49		32.51
Female	2.5	9.52		3.19
Total	30.92	51.01		35.7

Table 87: Cost of Cultivation of Cowpea (Summer) per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	139977	135620	66003	135798
	2020-2021	133469	160003		144802
	2021-2022	149191	143559		147202
Cost 'B'	2019-2020	363733	283483	128426	330482
	2020-2021	458942	537185		492357
	2021-2022	536518	675473		585624
Cost 'C'	2019-2020	495956	368101	208207	446360
	2020-2021	586221	630169		604990
	2021-2022	652620	742913		684528

Value of Output**Table 88: Value of product and by-product per hectare (in Rs) of Cowpea (Summer)during 2021-22**

Holding Size Class			
Small	Medium	Large	All Sizes
372436	305229		348685

2.12.1 Cardamom during 2021-22

Cardamom is cultivated in Idukki, Palakkad and Wayanad districts only.

Table 89: Area and number of holdings under Cardamom Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	6	0.63	2.48	0.11
Medium	20	8.1	31.85	0.41
Large	13	16.7	65.67	1.28
Total	39	25.43	100	0.65

For the study 39 sample holdings were selected and the total area of crop in the selected was 25.43 hectare. The average size per holding was 0.65 hectare.

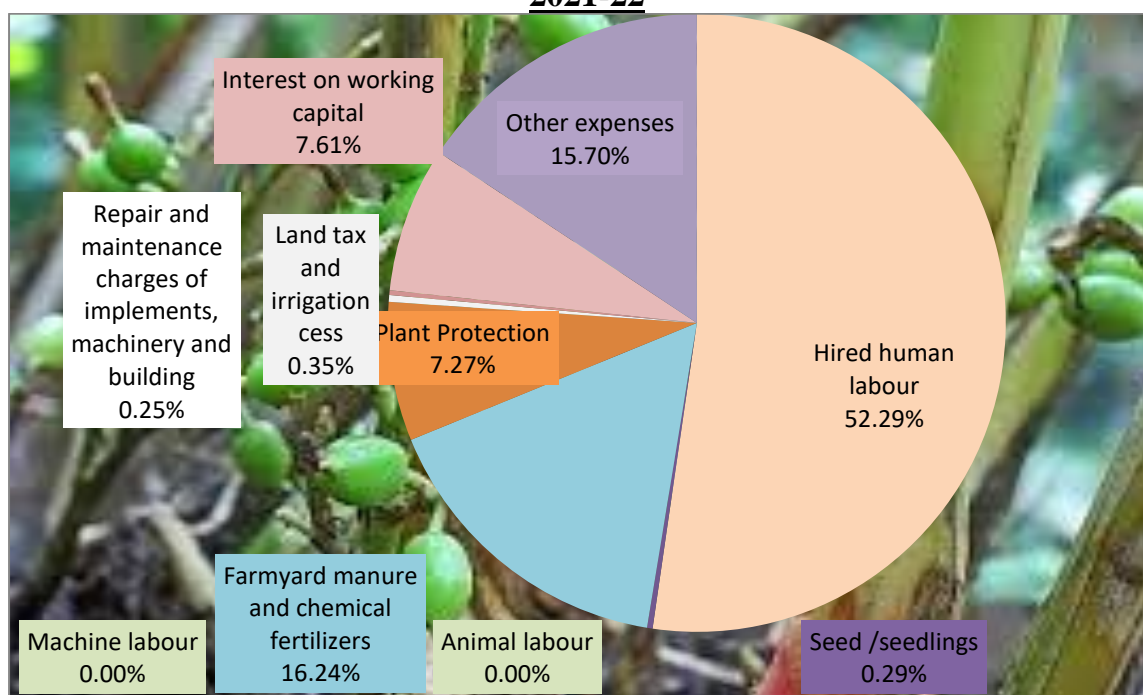
Cost of Cultivation

The different cost components of Cardamom cultivation is given below. Per hectare cost for cultivating cardamom is estimated as Rs.2,23,807/-excluded interest on fixed capital, interest on land value and imputed value of household labour.

Table 90: Cost of Cultivation per hectare (in Rs) of Cardamom

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	91087	123572	114833	117030
2	Animal labour				
3	Machine labour				
4	Seed /seedlings		2038		649
5	Farmyard manure and chemical fertilizers	31377	34446	37464	36352
6	Plant Protection	8414	16833	16279	16261
7	Land tax and irrigation cess	426	660	873	794
8	Repair and maintenance charges of implements, machinery and building	1721	905	332	549
9	Interest on working capital	13088	17689	16858	17029
10	Other expenses	13832	21769	42428	35143
11	Total cost 'A'(1-10)	159945	217912	229067	223807
12	Interest on fixed capital	29353	8706	1844	4707
13	Cost 'B1'(11+12)	189298	226618	230911	228514
14	Interest on land value	163012	148200	81965	105059
15	Cost 'B'(13+14)	352310	374818	312876	333573
16	Imputed value of household labour	112250	59343	28044	40090
17	Cost 'C'(15+16)	464560	434161	340920	373663

Percentage Distribution of “COST A” per hectare of Cardamom during 2021-22



When Cost 'A' is considering, 52.29% comes under hired human labour and 16.24% in Farmyard manure and chemical fertilizers.

The following table illustrates the work participation of cardamom cultivation. It shows that percentage of hired human labour hours of females is very high and it is accounted as 56.28%.

Table 91: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	31.45	23.57	18.73	20.69
Female	16.89	37.46	43.87	56.28
Total	48.34	61.03	62.6	76.97

Table 92: Cost of Cultivation of Cardamom per hectare (in Rs) during 2019-20, 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2019-2020	136468	195132	148475	160436
	2020-2021	163658	283525	238931	247734
	2021-2022	159945	217912	229067	223807
Cost 'B'	2019-2020	341214	328100	237690	267002
	2020-2021	397873	441459	279618	319091
	2021-2022	352310	374818	312876	333573
Cost 'C'	2019-2020	464826	438727	295050	341886
	2020-2021	581523	499483	304571	354697
	2021-2022	464560	434161	340920	373663

Value of Output

Table 93: Value of product and by-product per hectare (in Rs) of Cardamom during 2021-22

The estimated value of output per hectare is Rs.3,57,523/-.

Holding Size Class			
Small	Medium	Large	All Sizes
292735	292044	391705	357523

2.13.1 Ash Gourd Autumn during 2021-22

**Table 94: Area and number of holdings under Ash Gourd (autumn)
Cultivation**

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	75	3.82	42.35	0.05
Medium	10	3.18	35.25	0.32
Large	2	2.02	22.39	1.01
Total	87	9.02	100	0.1

Table 95: Cost of Cultivation per hectare (in Rs) of Ash Gourd (Autumn)

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	22343	42965	46034	34926
2	Animal labour				
3	Machine labour	187		711	239
4	Seed /seedlings	4392	4413	3446	4187
5	Farmyard manure and chemical fertilizers	21069	13867	16882	17592
6	Plant Protection	1348	1934	1910	1680
7	Land tax and irrigation cess	175	242	296	226
8	Repair and maintenance charges of implements, machinery and building	500	101	67	262
9	Interest on working capital	4934	6318	6898	5862
10	Other expenses	16288	14177	10152	14167
11	Total cost 'A'(1-10)	71236	84017	86396	79141
12	Interest on fixed capital	2310	544	494	1280
13	Cost 'B1'(11+12)	73546	84561	86890	80421
14	Interest on land value	373087	314827	175928	308314
15	Cost 'B'(13+14)	446633	399388	262818	388735
16	Imputed value of household labour	63890	30718	11239	40387
17	Cost 'C'(15+16))	510523	430106	274057	429122

Percentage Distribution of “COST A” per hectare of Ash Gourd (Autumn)during 2021-22

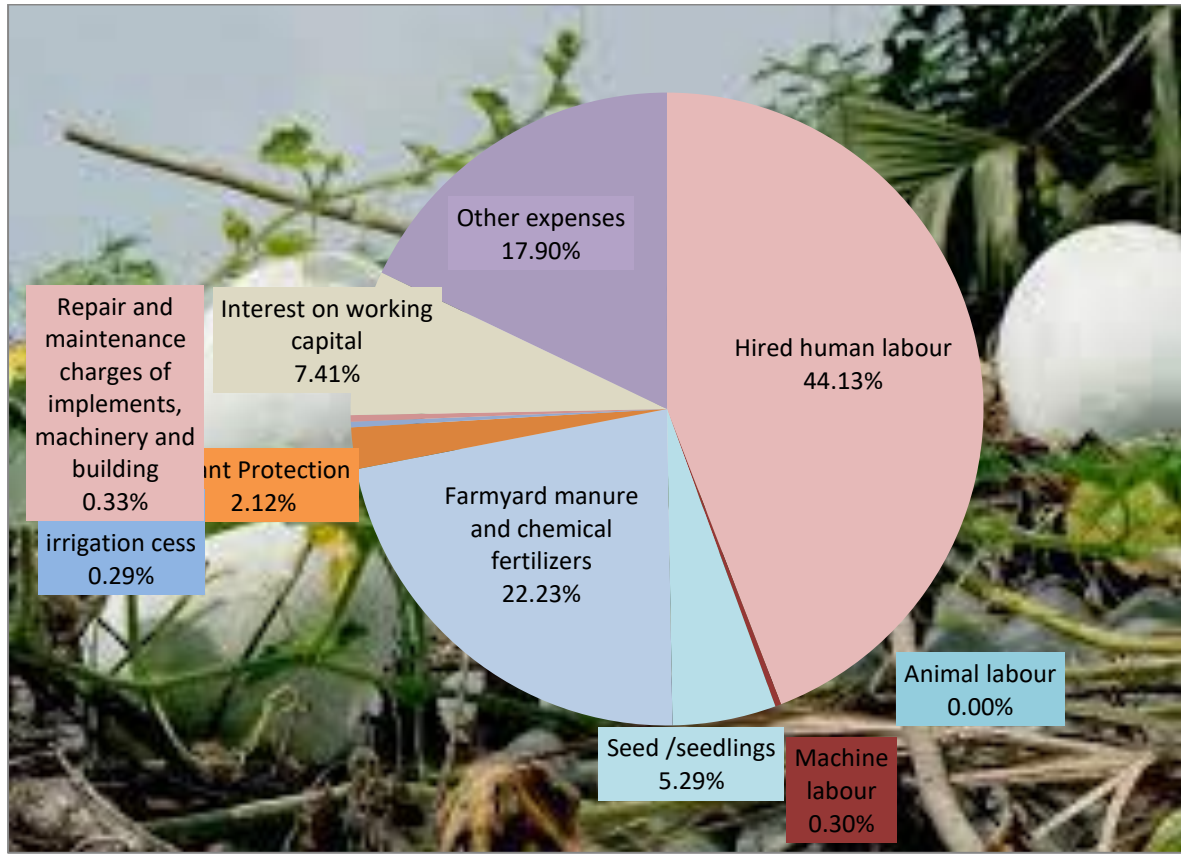


Table 96: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	19.16	45.06	66.23	35.84
Female	10.01	18.54	32.15	11.36
Total	29.17	63.6	98.38	47.2

In Ash Gourd (autumn) cultivation 11.36% of total labour hours shares to female participation of hired human labour hours.

Table 97: Cost of Cultivation of Ash Gourd (Autumn) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	49714	105917	80244	79887
	2021-2022	71236	84017	86396	79141
Cost 'B'	2020-2021	440804	323666	591008	467422
	2021-2022	446633	399387	262819	388735
Cost 'C'	2020-2021	491511	337445	619703	497487
	2021-2022	510523	430106	274057	429122

Value of Output**Table 98: Value of product and by-product per hectare (in Rs) of Ash Gourd (Autumn) during 2021-22**

Holding Size Class			
Small	Medium	Large	All Sizes
247089	167547	106282	187464

Value of product per hectare of Ash Gourd in Autumn season is estimated as Rs.1,87,464/- where as the cost of cultivation per hectare is Rs.79,141/-.

2.13.2 Ash Gourd- Winter during 2021-22**Table 99: Area and number of holdings under Ash Gourd (winter)**

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	78	3.58	74.12	0.05
Medium	6	1.26	26.09	0.21
Large				
Total	84	4.84	100	0.06

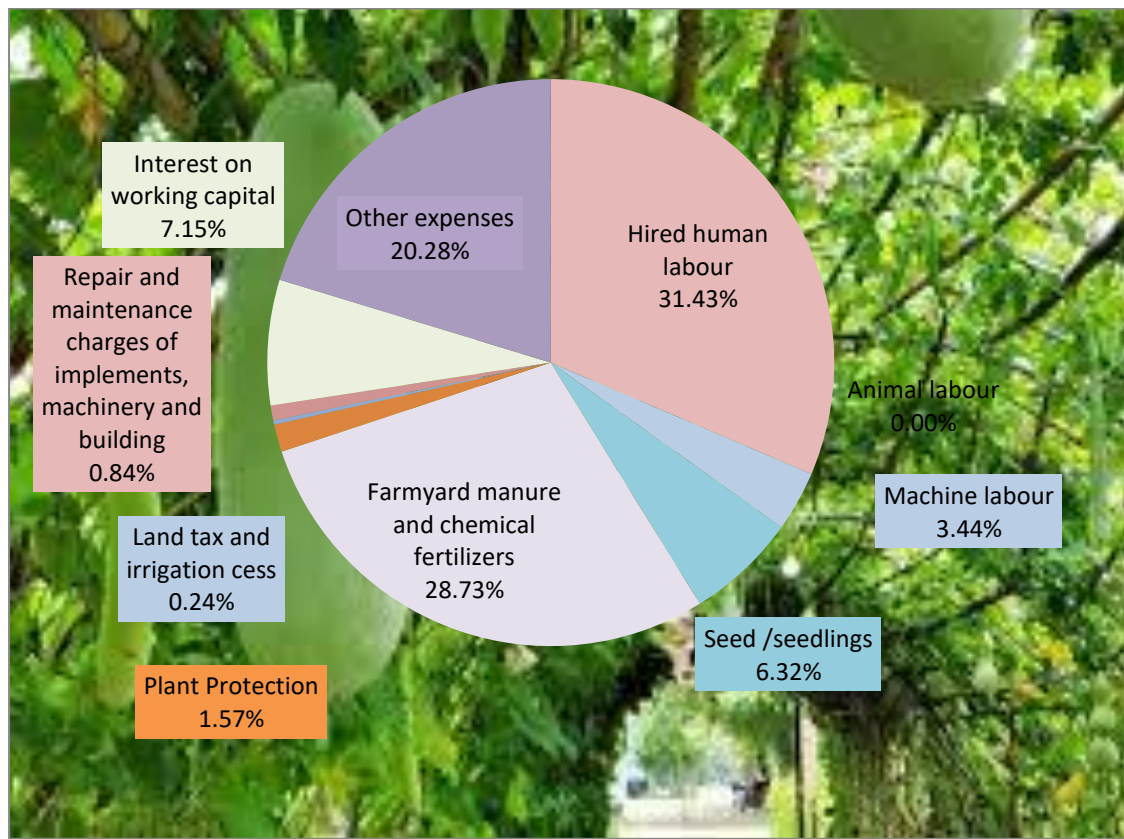
Cost of Cultivation:

In Cost 'A', the major share of the cost component was hired human labour. It constitutes 31.43%. Also farmyard manure and chemical fertilizers account 28.73%. Other expense account was 20.28%. By considering the various cost component of Ash Gourd (Winter) cultivation, per hectare cost calculated as Rs.90,859/-.

Table 100: Cost of Cultivation per hectare (in Rs) of Ash Gourd (Winter)

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	27099	32704		28554
2	Animal labour				
3	Machine labour	4219			3124
4	Seed /seedlings	5171	7365		5741
5	Farmyard manure and chemical fertilizers	25823	26905		26104
6	Plant Protection	1669	737		1427
7	Land tax and irrigation cess	244	159		222
8	Repair and maintenance charges of implements, machinery and building	598	1251		767
9	Interest on working capital	6398	6771		6495
10	Other expenses	18296	18792		18425
11	Total cost 'A'(1-10)	89517	94684		90859
12	Interest on fixed capital	28722	9938		23865
13	Cost 'B1'(11+12)	118239	104622		114724
14	Interest on land value	405914	326674		385341
15	Cost 'B'(13+14)	524153	431296		500065
16	Imputed value of household labour	79066	51000		71779
17	Cost 'C'(15+16)	603219	482296		571844

Percentage Distribution of “COST A” per hectare of Ash Gourd (Winter) during 2021-22



Sex wise work participation of hired human labours for Ash Gourd(Winter) shown below reveals that 7.08% of work shared by Female whereas percentage share to male workers is 20.73%.

Table 101: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	17.21	35.03		20.73
Female	8.71	5.44		7.08
Total	25.92	40.47		27.81

Table 102: Cost of Cultivation of Ash Gourd (Winter) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	59109	73965		60767
	2021-2022	89517	94684		90859
Cost 'B'	2020-2021	374084	541305		392730
	2021-2022	524153	431296		500065
Cost 'C'	2020-2021	435334	591570		452754
	2021-2022	603219	482296		571844

Value of Output

Table 103: Value of product and by-product per hectare (in Rs) of Ash Gourd (winter) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
257392	228077		249781

2.13.3 Ash Gourd -Summer during 2021-22

For the cost of cultivation study on Ash Gourd (summer) during 2021-22 the total number of sample holdings selected was 113. The details of these holdings are presented below.

Table 104: Area and number of holdings under Ash Gourd (Summer) Cultivation

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	109	4.29	81.25	0.04
Medium	4	0.99	18.75	0.25
Large				
Total	113	5.28	100	0.05

The total area under cultivation in the selected sample holdings covers hectares 5.28 and the average size of a holding is 0.05hectare.

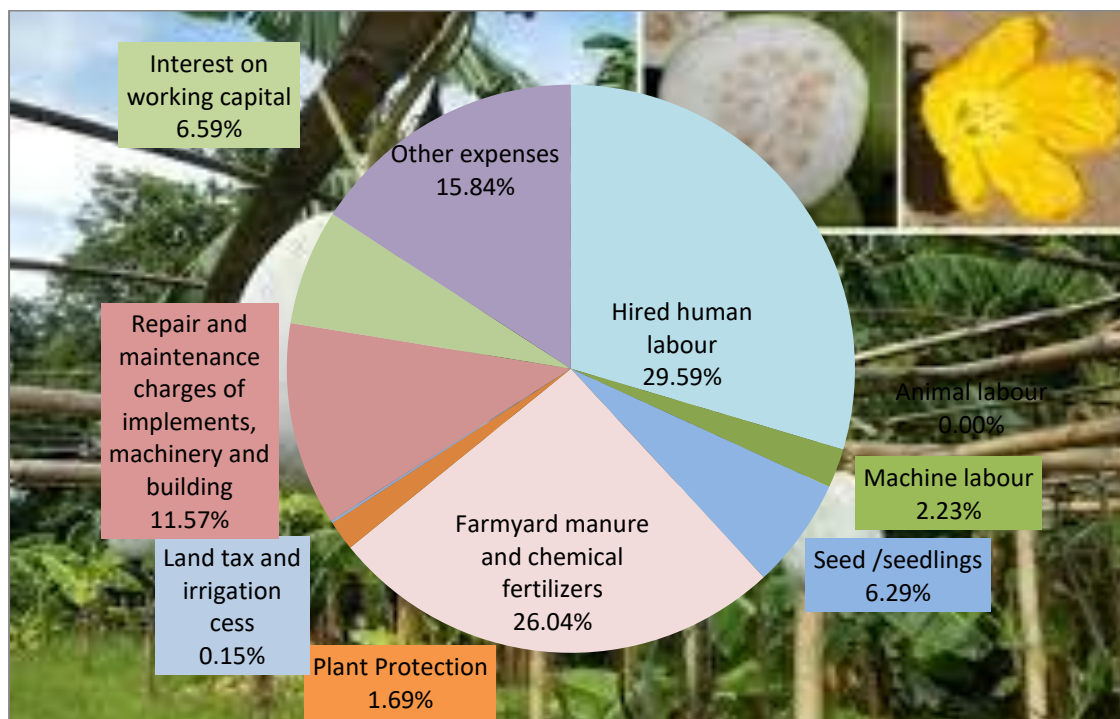
Cost of Cultivation:

In Cost of cultivation of Ash Gourd (Summer) per hectare is estimated as Rs.1,14,748/- when Cost 'A' is considered. Hired human labour gives a share of 29.59% and other expense gives 15.84%. Component wise holding size class details are presented below.

Table 105: Cost of Cultivation per hectare (in Rs) of Ash Gourd (Summer)

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	26541	66184		33959
2	Animal labour				
3	Machine labour	3152			2562
4	Seed /seedlings	6367	10938		7222
5	Farmyard manure and chemical fertilizers	31059	24766		29881
6	Plant Protection	1737	2833		1942
7	Land tax and irrigation cess	186	137		176
8	Repair and maintenance charges of implements, machinery and building	16160	719		13271
9	Interest on working capital	6885	10472		7557
10	Other expenses	18328	17527		18178
11	Total cost 'A'(1-10)	110415	133576		114748
12	Interest on fixed capital	48798	4993		40596
13	Cost 'B1'(11+12)	159213	138569		155344
14	Interest on land value	384585	229896		355640
15	Cost 'B'(13+14)	543798	368465		510984
16	Imputed value of household labour	88348	29777		77388
17	Cost 'C'(15+16)	632146	398242		588372

Percentage Distribution of “COST A” per hectare of Ash Gourd (Summer) during 2021-22



In Ash Gourd (Summer) cultivation male labour participation accounted as 12.95% of the total labour hours. Details are given below.

Table 106: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	17.45	9.19		12.95
Female	5.41	0.85		2.57
Total	22.86	10.04		15.52

Table 107: Cost of Cultivation of Ash Gourd (Summer) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	72960	56349		69373
	2021-2022	110415	133576		114748
Cost 'B'	2020-2021	463079	309908		429997
	2021-2022	543798	368465		510984
Cost 'C'	2020-2021	531380	355521		493399
	2021-2022	632146	398242		588372

Value of Output

Table 108: Value of product and by-product per hectare (in Rs) of Ash Gourd (Summer) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
341357	163128		308007

2.14.1 Cucumber -Autumn during 2021-22

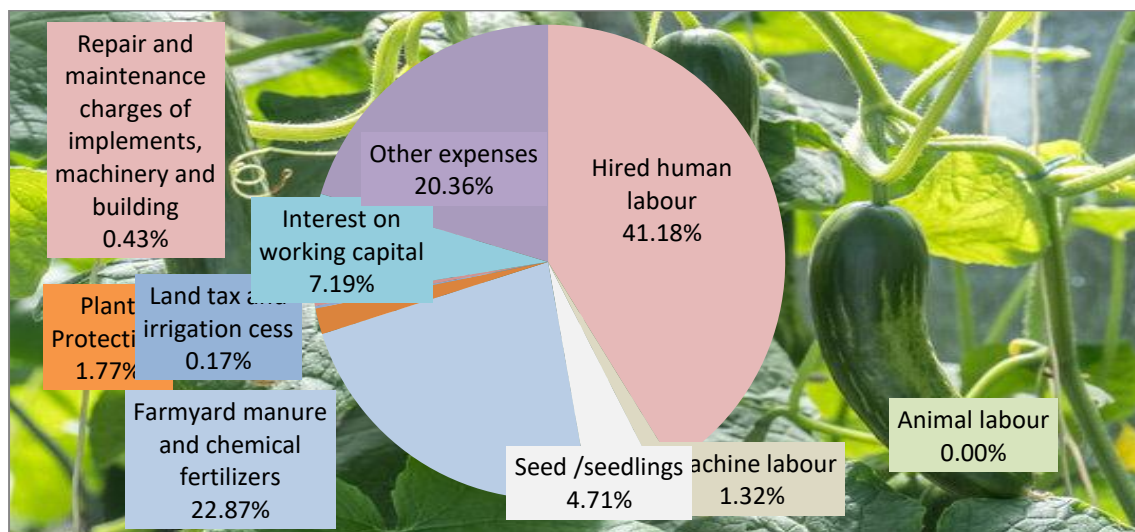
Table 109: Area and number of holdings under Cucumber Autumn

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	111	6.77	55.26	0.06
Medium	16	4.47	36.49	0.28
Large	1	1.01	8.24	1.01
Total	128	12.25	100	0.1

Table 110- Cost of Cultivation per hectare (in Rs) of Cucumber (Autumn)

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	34027	43650	88302	42020
2	Animal labour				
3	Machine labour	295	3241		1346
4	Seed /seedlings	4879	4786	4446	4809
5	Farmyard manure and chemical fertilizers	25671	20679	19414	23333
6	Plant Protection	2465	1222		1808
7	Land tax and irrigation cess	186	124	296	172
8	Repair and maintenance charges of implements, machinery and building	585	317	40	442
9	Interest on working capital	6734	7358	11216	7332
10	Other expenses	20510	23116	12206	20775
11	Total cost 'A'(1-10)	95352	104493	135920	102037
12	Interest on fixed capital	2438	945	107	1700
13	Cost 'B1'(11+12)	97790	105438	136027	103737
14	Interest on land value	430343	343288	494000	403830
15	Cost 'B'(13+14)	528133	448726	630027	507567
16	Imputed value of household labour	72262	35917	15314	54297
17	Cost 'C'(15+16)	600395	484643	645341	561864

Percentage Distribution of “COST A” per hectare of Cucumber (Autumn) during 2021-22



In Cucumber (Autumn) cultivation 2.22% of total labour hours shares to female labour participation of hired human labour hours.

Table 111: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	29.66	24.32	85.22	30.8
Female	2.08	4.2		2.22
Total	31.74	28.52	85.22	33.02

Table: 112 Cost of Cultivation of Cucumber (Autumn) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	46974	87954	99211	71630
	2021-2022	95352	104493	135920	102037
Cost 'B'	2020-2021	369852	833768	579249	603674
	2021-2022	528133	448726	630027	507567
Cost 'C'	2020-2021	431446	868619	585548	646665
	2021-2022	600395	484643	645341	561864

Value of Output**Table 113: Value of product and by-product per hectare (in Rs) of Cucumber (Autumn) during 2021-22**

Holding Size Class			
Small	Medium	Large	All Sizes
271544	191757	411897	254016

Value of product per hectare of Cucumber in Autumn season is estimated as Rs.2,54,016/- whereas the cost of cultivation per hectare is Rs.1,02,037/-

2.14.2 Cucumber – Winter during 2021-22

During 2020-21 Cost of cultivation study on Cucumber (Winter) season,165 sample holdings by covering 15.91 hectare selected and the average area per holding covers to 0.1 hectares.

Table 114: Area and number of holdings under Cucumber (winter)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	139	8.18	51.41	0.06
Medium	26	7.73	48.59	0.3
Large				
Total	165	15.91	100	0.1

Cost of cultivation

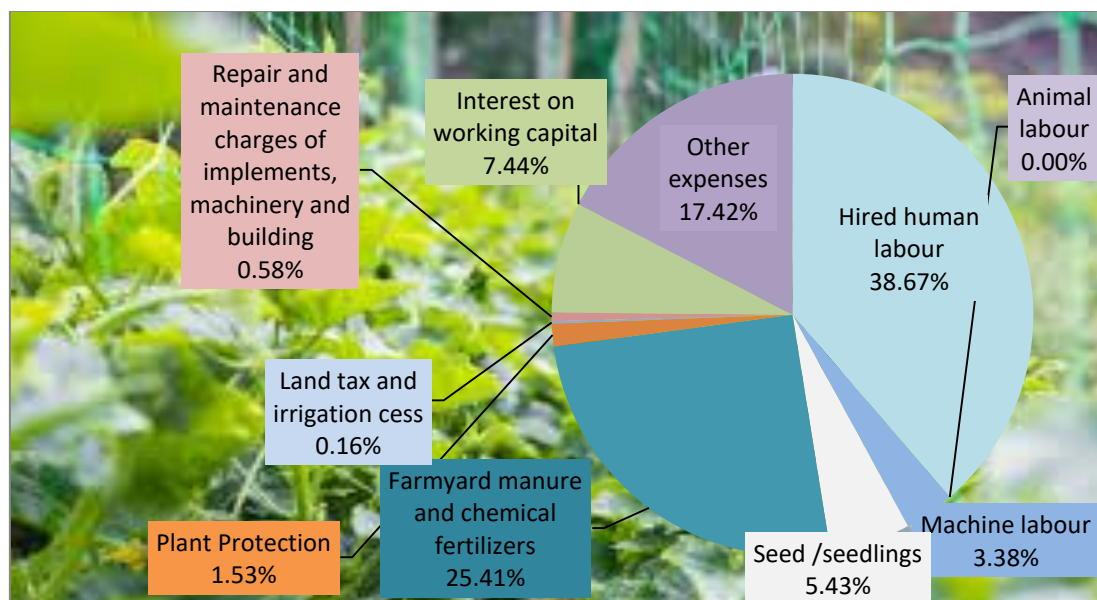
In Cost A, the major share of the cost component was hired human labour. It constitutes 38.67%. Also farmyard manure and chemical fertilizers account 25.41 %. Other expense account was 17.42%. By considering the various cost component of Cucumber (Winter) cultivation, per hectare cost calculated as Rs.95,466/-.

Table 115- Cost of Cultivation per hectare (in Rs) of Cucumber (winter)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	30897	43274		36912

2	Animal labour			
3	Machine labour	2556	3931	3224
4	Seed /seedlings	5164	5201	5182
5	Farmyard manure and chemical fertilizers	28073	20219	24256
6	Plant Protection	1713	1184	1456
7	Land tax and irrigation cess	176	122	149
8	Repair and maintenance charges of implements, machinery and building	695	403	553
9	Interest on working capital	6840	7381	7103
10	Other expenses	19420	13681	16631
11	Total cost 'A'(1-10)	95534	95396	95466
12	Interest on fixed capital	16570	5723	11299
13	Cost 'B1'(11+12)	112104	101119	106765
14	Interest on land value	427012	326543	378184
15	Cost 'B'(13+14)	539116	427662	484949
16	Imputed value of household labour	82856	36583	60367
17	Cost 'C'(15+16))	621972	464245	545316

Percentage Distribution of “COST A” per hectare of Cucumber(Winter) during 2021-22



Sex wise work participation of hired human labours for Cucumber (winter) shows below reveals that 5.44% of work shared by Female whereas percentage share to male workers is 31.68%.

Table 116: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	21.49	47.36		31.68
Female	6.21	9.96		5.44
Total	27.7	57.32		37.12

Table 117: Cost of Cultivation of Cucumber (Winter) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	84336	86619	97660	85948
	2021-2022	95534	95396		95466
Cost 'B'	2020-2021	576196	346467	303911	486989
	2021-2022	539116	427662		484949
Cost 'C'	2020-2021	657075	379825	331822	549643
	2021-2022	621972	464245		545316

Value of Output

Table 118: Value of product and by-product per hectare (in Rs) of Cucumber (Winter) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
256965	171571		215463

2.14.3 Cucumber – Summer during 2021-22

For the cost of cultivation study on Cucumber (Summer) during 2021-22 the total number of sample holdings selected was 202. The details of these holdings are presented below.

Table 119: Area and number of holdings under Cucumber (Summer)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	185	8.75	56.49	0.05
Medium	15	4.11	26.53	0.27
Large	2	2.63	16.98	1.32
Total	202	15.49	100	0.08

The total area under cultivation in the selected sample holdings covers 15.49 hectares and the average size of holdings is 0.08hectare.

Cost of cultivation

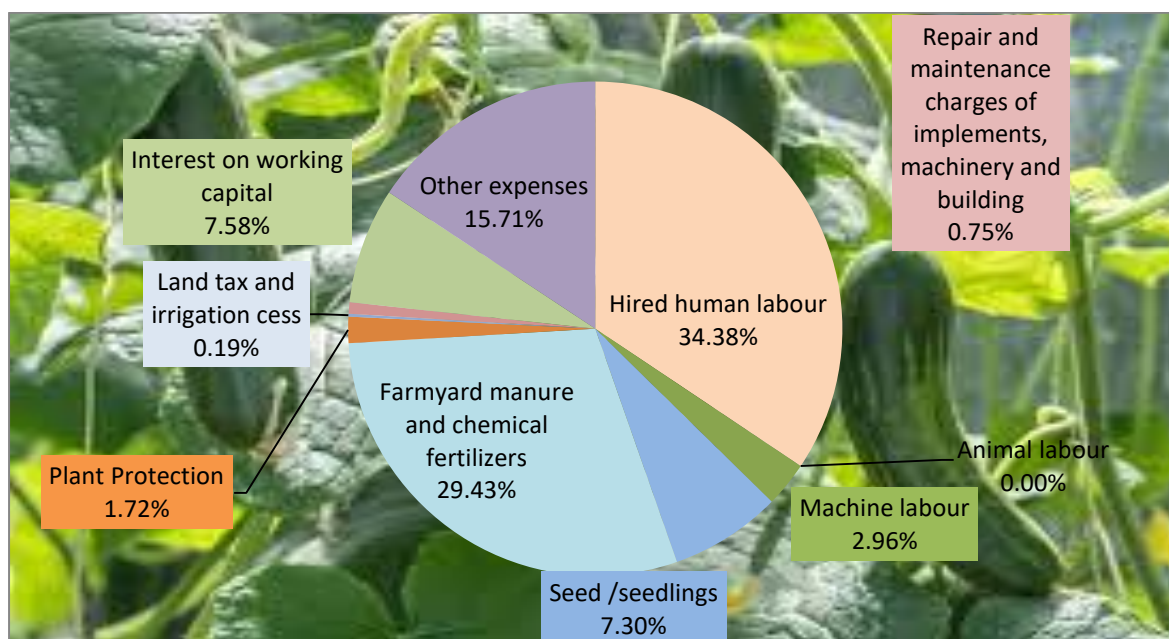
Cost of cultivation of Cucumber (Summer) per hectare is estimated as Rs.1, 03,591/- when Cost A, is considered. Hired human labour gives a shar of 34.38% and other expense gives 15.71% component wise holding size class details are presented below.

Table 120- Cost of Cultivation per hectare (in Rs) of Cucumber (Summer)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	34976	35441	38019	35616
2	Animal labour				
3	Machine labour	1346	2265	10032	3066
4	Seed /seedlings	5479	8159	13528	7557
5	Farmyard manure and chemical fertilizers	34587	23272	28082	30482
6	Plant Protection	2499	1182	323	1780
7	Land tax and irrigation cess	282	121		192
8	Repair and maintenance charges of	1009	783		778

	implements, machinery and building				
9	Interest on working capital	7889	7032	8998	7850
10	Other expenses	19428	14751	8140	16270
11	Total cost 'A'(1-10)	107495	93006	107122	103591
12	Interest on fixed capital	23062	7415	2132	15353
13	Cost 'B1'(11+12)	130557	100421	109254	118944
14	Interest on land value	388678	377291	152308	345492
15	Cost 'B'(13+14)	519235	477712	261562	464436
16	Imputed value of household labour	80320	46138	22981	61514
17	Cost 'C'(15+16))	599555	523850	284543	525950

Percentage Distribution of “COST A” per hectare of Cucumber(Summer) during 2021-22



In Cucumber(Summer) cultivation male labour participation accounted as 22.47% of the total labour hours. Details are given below

Table 121: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	26.03	16.23	29.01	22.47
Female	3.38	1.59	34.84	5.22
Total	29.41	17.82	63.85	27.69

Table 122: Cost of Cultivation of Cucumber (Summer) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	82379	79954		81859
	2021-2022	107495	93006	107122	103591
Cost 'B'	2020-2021	441767	391269		430981
	2021-2022	519235	477712	261562	464436
Cost 'C'	2020-2021	529962	422446		507007
	2021-2022	599555	523850	284543	525950

Value of Output

Table 123: Value of product and by-product per hectare (in Rs) of Cucumber (Summer) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
265369	172300	208460	231026

2.15.1 Snake Gourd-(Autumn) during 2021-22

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	174	9.82	47.55	0.06
Medium	35	8.81	42.66	0.25
Large	2	2.02	9.78	1.01
Total	211	20.65	100	0.1

Table 125- Cost of Cultivation per hectare (in Rs) of Snake Gourd (Autumn)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	47247	45190	62140	47830
2	Animal labour				
3	Machine labour	408	860	7410	1287
4	Seed /seedlings	6708	3783	6620	5452
5	Farmyard manure and chemical fertilizers	32308	24712	32841	29122

6	Plant Protection	3230	3006	889	2905
7	Land tax and irrigation cess	194	160		160
8	Repair and maintenance charges of implements, machinery and building	1932	228	22	1019
9	Interest on working capital	8990	7755	10990	8660
10	Other expenses	39099	36705	38600	38030
11	Total cost 'A'(1-10)	140116	122399	159512	134465
12	Interest on fixed capital	4849	4188	153	4107
13	Cost 'B1'(11+12)	144965	126587	159665	138572
14	Interest on land value	357393	509965	229675	409929
15	Cost 'B'(13+14)	502358	636552	389340	548501
16	Imputed value of household labour	96963	73050	33678	80563
17	Cost 'C'(15+16))	599321	709602	423018	629064

Percentage Distribution of “COST A” per hectare of Snake Gourd (Autumn)during 2021-22

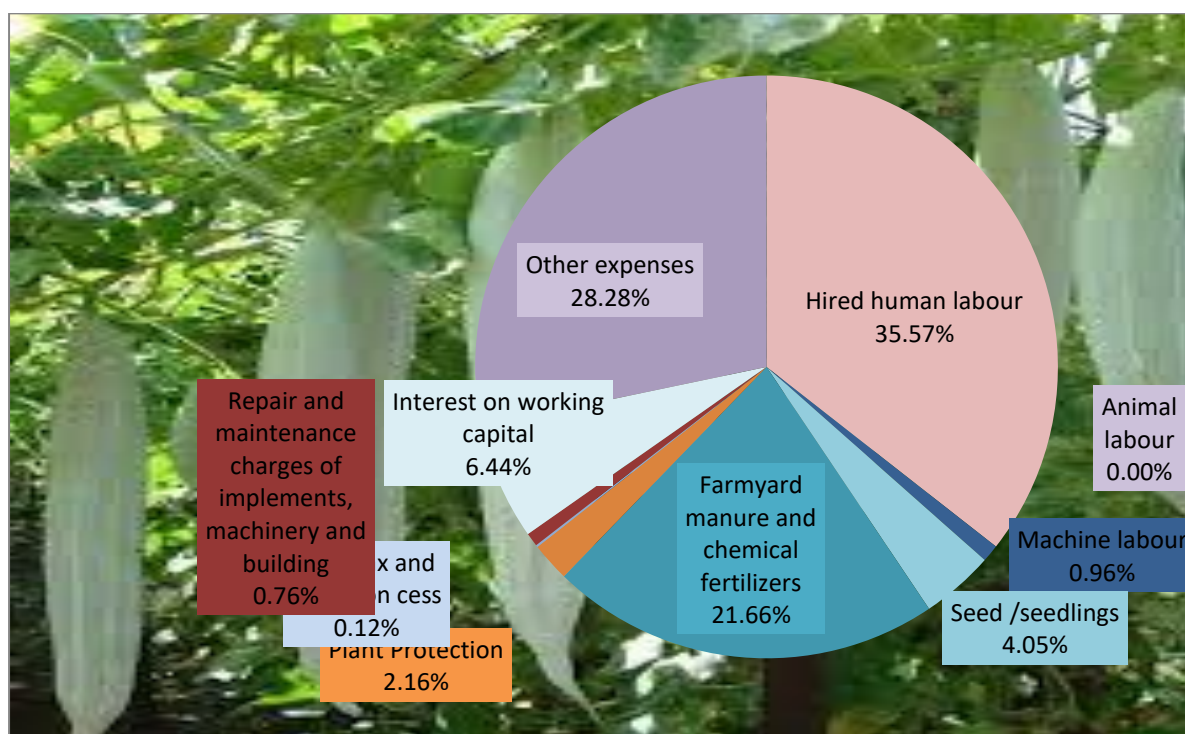


Table 126: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	30.12	34.65	56.39	33.81
Female	2.41	13.23	16.34	5.35
Total	32.53	47.88	72.73	39.16

In Snake Gourd (Autumn) cultivation 5.35% of total labour hours shares to female participation of hired human labour hours.

Table 127: Cost of Cultivation of Snake Gourd (Autumn) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	110161	102522	144891	108657
	2021-2022	140116	122399	159512	134465
Cost 'B'	2020-2021	584665	1350865	1172497	1009071
	2021-2022	502358	636552	389340	548501
Cost 'C'	2020-2021	660849	1407785	1204298	1072595
	2021-2022	599321	709602	423018	629064

Value of Output

Table 128: Value of product and by-product per hectare (in Rs) of Snake Gourd (Autumn)during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
343264	307243	216952	315524

2.15.2 Snake Gourd –Winter during 2021-22

During 2021-22 the cost of cultivation study on Snake Gourd (winter) season, 202 sample holdings by covering 21.14 hectare selected and the average area per holding covers 1.31hectare.

Table 129: Area and number of holdings under Snake Gourd (Winter)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	170	9.17	43.37	0.05
Medium	27	6.95	32.88	0.26
Large	5	5.02	23.75	1
Total	202	21.14	100	1.31

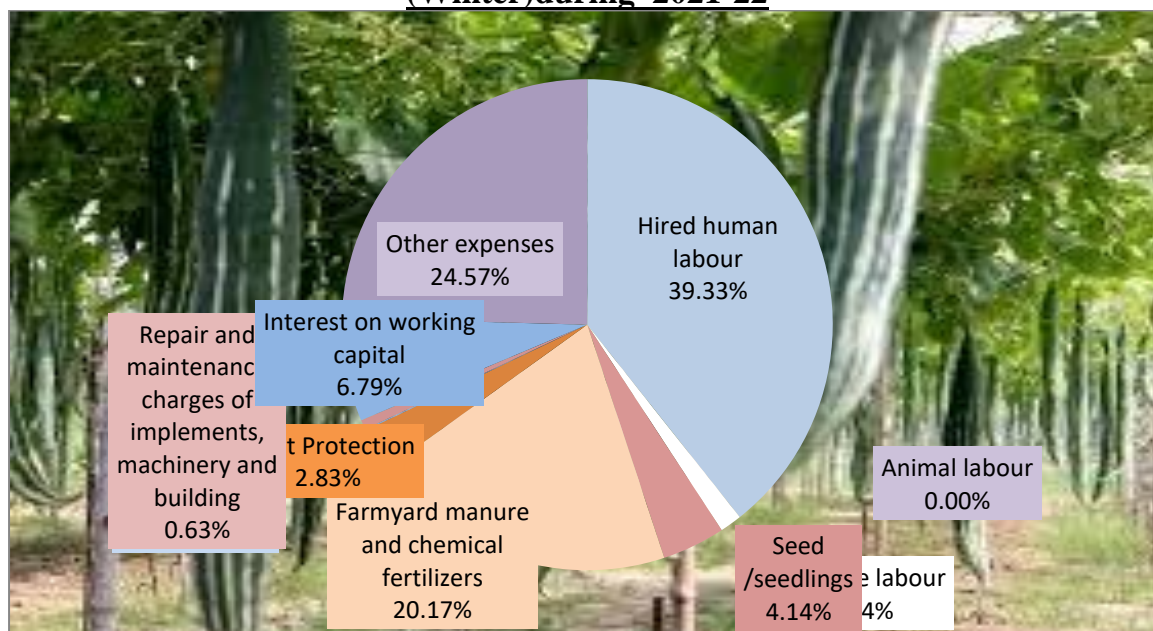
Cost of cultivation

In Cost A, the major share of the cost component was hired human labour. It constitutes 39.33%. Also farmyard manure and chemical fertilizers account 20.17%. Other expense account was 24.57%. .By considering the various cost component of Snake Gourd (Winter) cultivation, per hectare cost calculated as Rs.1,36,578/-.

Table 130- Cost of Cultivation per hectare (in Rs) of Snake Gourd (Winter)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	46132	47141	76688	53719
2	Animal labour				
3	Machine labour	496	2958	3307	1973
4	Seed /seedlings	6664	4468	5458	5655
5	Farmyard manure and chemical fertilizers	28813	31578	19681	27554
6	Plant Protection	3955	5347	1642	3863
7	Land tax and irrigation cess	191	82		110
8	Repair and maintenance charges of implements, machinery and building	1563	526	65	866
9	Interest on working capital	8606	9149	10678	9276
10	Other expenses	36959	32778	28440	33562
11	Total cost 'A'(1-10)	133379	134027	145959	136578
12	Interest on fixed capital	7469	6630	586	5559
13	Cost 'B1'(11+12)	140848	140657	146545	142137
14	Interest on land value	365138	367242	449199	385791
15	Cost 'B'(13+14)	505986	507899	595744	527928
16	Imputed value of household labour	92919	78260	28288	72752
17	Cost 'C'(15+16))	598905	586159	624032	600680

Percentage Distribution of “COST A” per hectare of Snake Gourd (Winter) during 2021-22



Sex wise work participation of hired human labours for Snake Gourd (Winter) shown below reveals that 3.75% of work shared by female whereas percentage share to male workers is 36.72%.

Table 131: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	27.21	31.39	71.54	36.72
Female	1.53	11.73	5.29	3.75
Total	28.74	43.12	76.83	40.47

Table 132: Cost of Cultivation of Snake Gourd (Winter) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	129319	134311	157873	132010
	2021-2022	133379	134027	145959	136578
Cost 'B'	2020-2021	590845	682282	678697	623601
	2021-2022	505986	507899	595744	527928
Cost 'C'	2020-2021	681481	732502	689936	698218
	2021-2022	598905	586159	624032	600680

Value of Output

Table 133: Value of product and by-product per hectare (in Rs) of Snake Gourd (Winter) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
368426	344706	259309	334716

2.15.3 Snake Gourd –Summer during 2021-22

For the cost of cultivation study on Snake Gourd (summer) during 2021-22 the total number of sample holdings selected was 217. The details of these holdings are presented below.

Table 134: Area and number of holdings under Snake Gourd (summer)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	195	11.18	67.88	0.06
Medium	22	5.3	32.18	0.24
Large				
Total	217	16.48	100	0.08

The total area under cultivation in the selected sample holdings covers 16.48 hectares and the average size of holdings is 0.08 hectare.

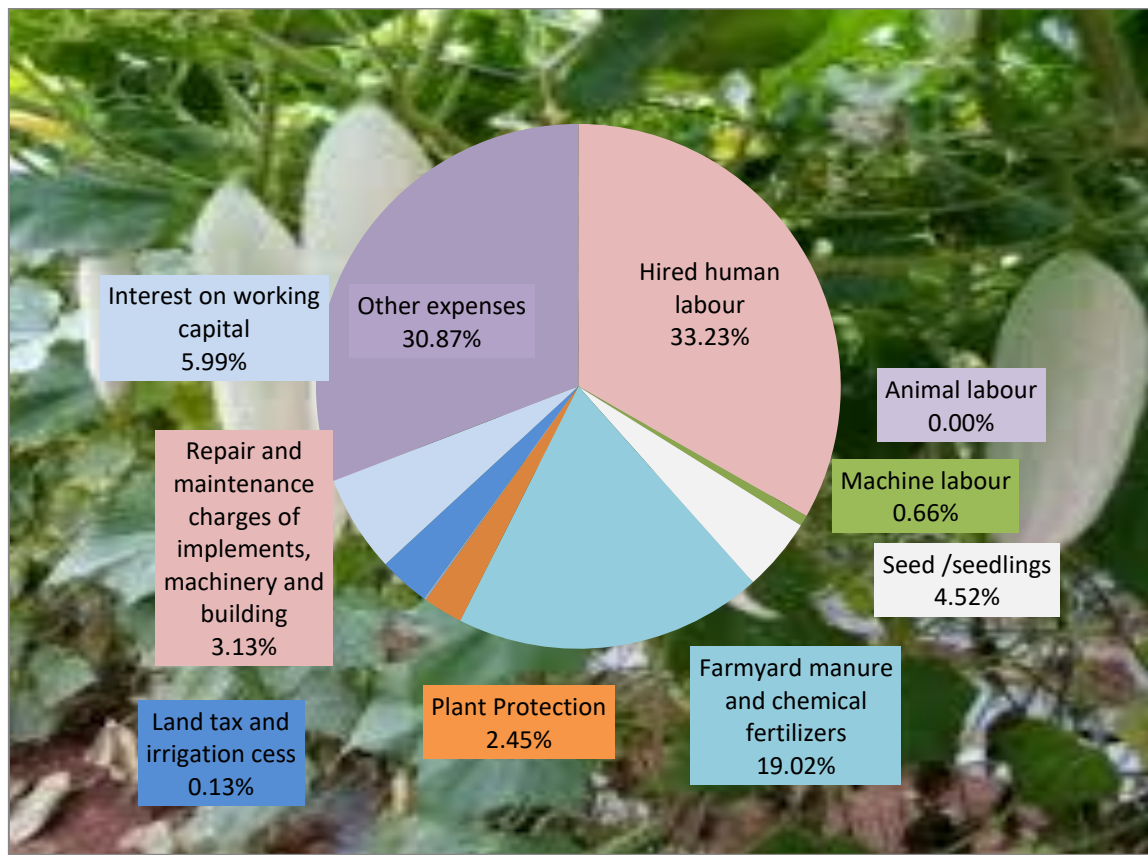
Cost of cultivation

Cost of cultivation of Snake Gourd (Summer) per hectare is estimated as Rs.1,47,236/- .When Cost A, is considered. Hired human labour gives a share of 33.23% and other expense gives 30.87% component wise holding size class details are presented below.

Table 135- Cost of Cultivation per hectare (in Rs) of Snake Gourd (Summer)

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	48526	49755		48921
2	Animal labour				
3	Machine labour	812	1318		975
4	Seed /seedlings	7279	5355		6661
5	Farmyard manure and chemical fertilizers	30073	23636		28004
6	Plant Protection	3405	4052		3613
7	Land tax and irrigation cess	242	68		186
8	Repair and maintenance charges of implements, machinery and building	6625	368		4614
9	Interest on working capital	9009	8412		8817
10	Other expenses	49278	37355		45445
11	Total cost 'A'(1-10)	155249	130319		147236
12	Interest on fixed capital	13052	1402		9309
13	Cost 'B1'(11+12)	168301	131721		156545
14	Interest on land value	420744	409240		417046
15	Cost 'B'(13+14)	589045	540961		573591
16	Imputed value of household labour	90474	70205		83958
17	Cost 'C'(15+16))	679519	611166		657549

Percentage Distribution of “COST A” per hectare of Snake Gourd (Summer)during 2021-22



In Snake Gourd (Summer) cultivation male labour participation accounted as 34.28% of the total labour hours. Details are given below

Table 136: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	33.81	35.4		34.28
Female	1.33	1.47		0.92
Total	35.14	36.87		35.2

Table 137: Cost of Cultivation of Snake Gourd (Summer) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	133739	129210	156849	134216
	2021-2022	155249	130319		147236
Cost 'B'	2020-2021	509267	590519	675771	543372
	2021-2022	589045	540961		573591
Cost 'C'	2020-2021	612798	653907	683016	629022
	2021-2022	679519	611166		657549

Value of Output**Table 138: Value of product and by-product per hectare (in Rs) Snake Gourd (Summer) during 2021-22**

Holding Size Class			
Small	Medium	Large	All Sizes
316399	266791		300453

2.16. Ladies Finger (Autumn) during 2021-22**Table 139: Area and number of holdings under Ladies Finger (Autumn)**

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	125	6.04	69.19	0.05
Medium	11	2.69	30.81	0.24
Large				
Total	136	8.73	100	0.06

The total area under cultivation in the selected sample holdings covers 136 hectares and the average size of holdings is 0.06 hectare.

Cost of cultivation

Cost of cultivation of Ladies Finger (Autumn) per hectare is estimated as 97,680/- when Cost A, is considered. Hired human labour gives a share of 35.01% and other expense gives 18.27% component wise holding size class details are presented below.

Table 140- Cost of Cultivation per hectare (in Rs) of Ladies Finger (Autumn)

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	33631	35493		34206
2	Animal labour				
3	Machine labour	1450	3482		2076
4	Seed /seedlings	6633	3792		5757
5	Farmyard manure and chemical fertilizers	31465	15485		26536
6	Plant Protection	3273	2056		2897
7	Land tax and irrigation cess	201	97		169
8	Repair and maintenance charges of implements, machinery and building	1450	123		1040
9	Interest on working capital	7645	6031		7147
10	Other expenses	19292	14622		17852
11	Total cost 'A'(1-10)	105040	81181		97680
12	Interest on fixed capital	33090	17113		28158
13	Cost 'B1'(11+12)	138130	98294		125838
14	Interest on land value	447589	194852		369634
15	Cost 'B'(13+14)	585719	293146		495472
16	Imputed value of household labour	76120	41902		65566
17	Cost 'C'(15+16))	661839	335048		561038

Percentage Distribution of “COST A” per hectare of Ladies Finger (Autumn)during 2021-22

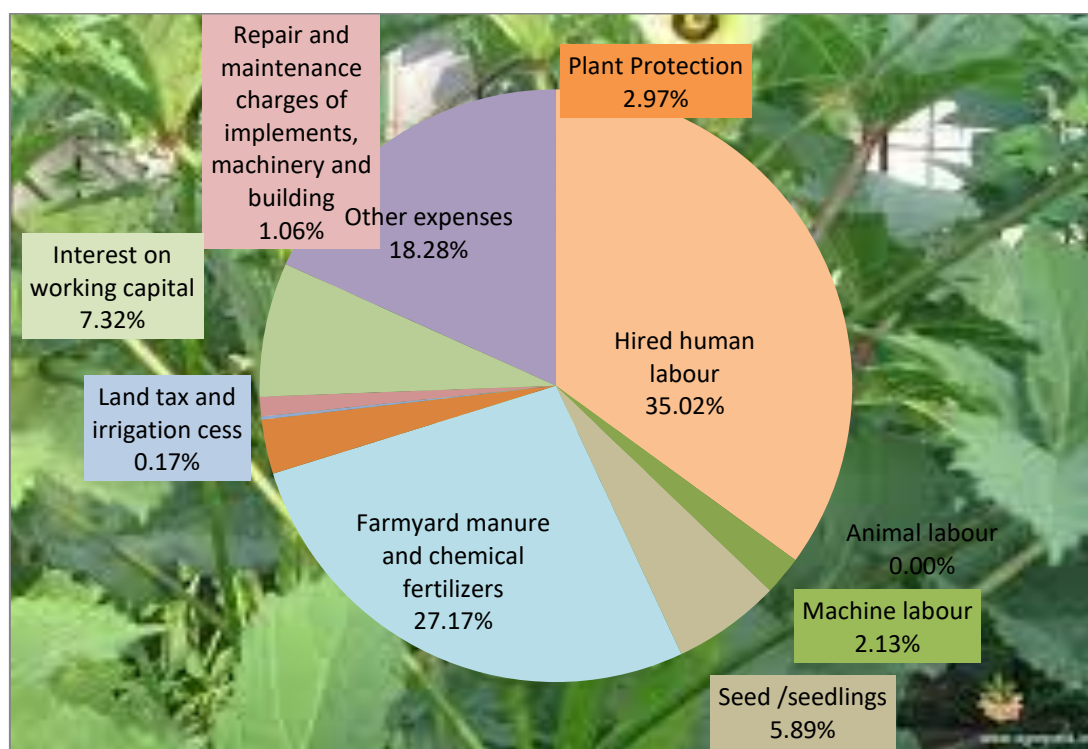


Table 141: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	22.23	21.26		21.98
Female	7.62	28.94		13.19
Total	29.85	50.2		35.17

In Ladies Finger (Autumn) cultivation 13.19% of total labour hours shares to female participation of hired human labour hours.

Table 142: Cost of Cultivation of Ladies Finger (Autumn) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	65408	106497		84085
	2021-2022	105040	81181		97680
Cost 'B'	2020-2021	592694	468891		536424
	2021-2022	585719	293146		495472
Cost 'C'	2020-2021	662171	482659		580579
	2021-2022	661839	335048		561038

Value of Output

Table 143: Value of product and by-product per hectare (in Rs) of Ladies Finger (Autumn) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
297147	211348		270683

2.16.2 Ladies Finger -Winter during 2021-22

During 2021-22 for the cost of cultivation study on Ladies Finger (Winter) season, 160 sample holdings by covering 10.54 hectare selected and the average area per holding covers to 0.07 hectare.

Table 144: Area and number of holdings under Ladies Finger (Winter)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	151	7.91	75.05	0.05
Medium	9	2.63	24.95	0.29
Large				
Total	160	10.54	100	0.07

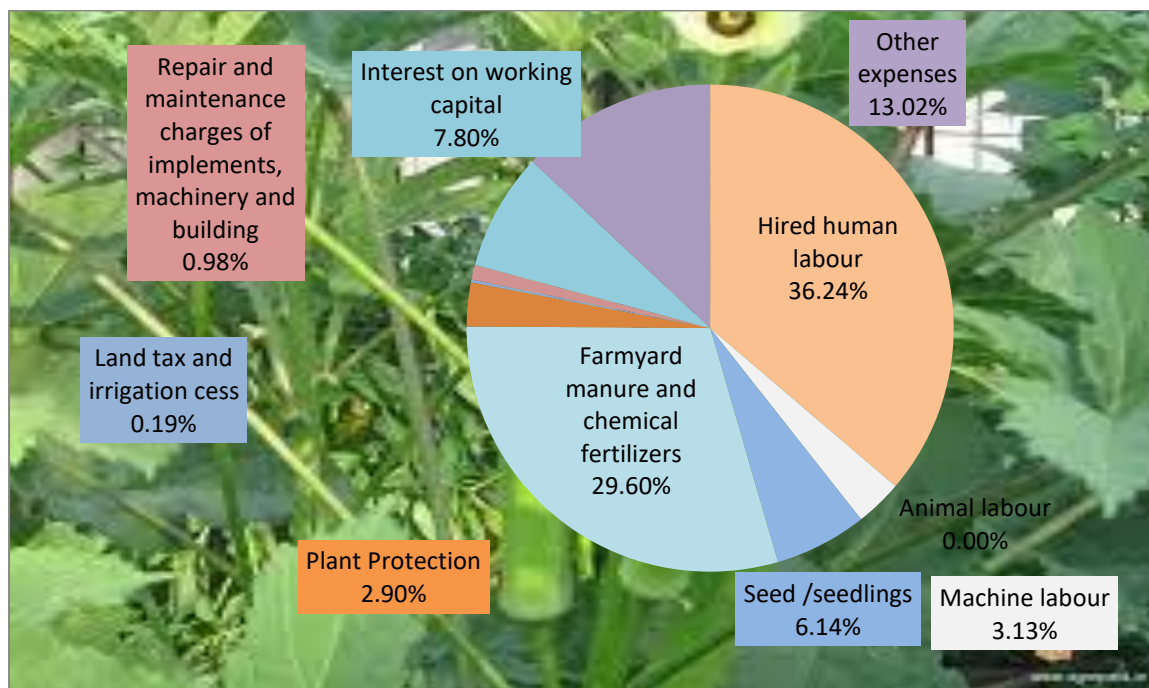
Cost of cultivation

In Cost A, the major share of the cost component was hired human labour. It constitutes 36.24%. Also farmyard manure and chemical fertilizers account 29.60%. Other expense account was 13.02%. By considering the various cost component of Ladies Finger (Winter) cultivation, per hectare cost calculated as Rs.96, 742/-.

Table 145- Cost of Cultivation per hectare (in Rs) of Ladies Finger (Winter)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	32076	44023		35059
2	Animal labour				
3	Machine labour	2838	3591		3026
4	Seed /seedlings	6454	4395		5940
5	Farmyard manure and chemical fertilizers	29647	25600		28637
6	Plant Protection	2989	2241		2802
7	Land tax and irrigation cess	224	69		185
8	Repair and maintenance charges of implements, machinery and building	1031	709		951
9	Interest on working capital	7400	7985		7546
10	Other expenses	12877	11753		12596
11	Total cost 'A'(1-10)	95536	100366		96742
12	Interest on fixed capital	19598	17023		18952
13	Cost 'B1'(11+12)	115134	117389		115694
14	Interest on land value	547432	339551		495522
15	Cost 'B'(13+14)	662566	456940		611216
16	Imputed value of household labour	80907	14939		64434
17	Cost 'C'(15+16))	743473	471879		675650

Percentage Distribution of “COST A” per hectare of Ladies Finger (Winter)during 2021-22



Sex wise work participation of hired human labours for Ladies Finger (Winter) shown below reveals that 13.77% of work shared by female whereas percentage share to male workers is 23.82%.

Table 146: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	21.01	36.2		23.82
Female	8.52	39.74		13.77
Total	29.53	75.94		37.59

Table 147: Cost of Cultivation of Ladies Finger (Winter) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	102482	69968		91403
	2021-2022	95536	100366		96742
Cost 'B'	2020-2021	490338	387392		455255
	2021-2022	662566	456940		611216
Cost 'C'	2020-2021	580769	412736		523508
	2021-2022	743473	471879		675650

Value of Output

Table 148: Value of product and by-product per hectare (in Rs) of Ladies Finger (Winter)during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
340341	215359		309132

2.16.3Ladies Finger -Summer during 2021-22

For the cost of cultivation study on Ladies Finger (Summer) during 2021-22 the total number of sample holdings selected was 161.The details of these holdings are presented below.

Table 149: Area and number of holdings under Ladies Finger(Summer)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	148	6.71	62.36	0.05
Medium	13	4.05	37.64	0.31
Large				
Total	161	10.76	100	0.07

The total area under cultivation in the selected sample holdings covers 10.76 hectares and the average size of holdings is 0.07 hectare.

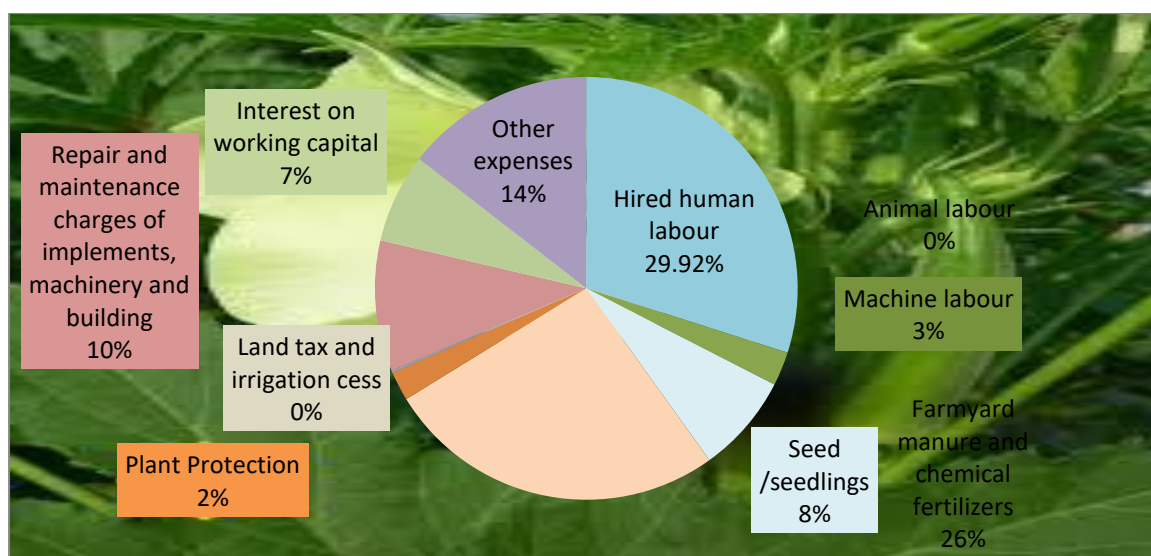
Cost of cultivation

Cost of cultivation of Ladies Finger (Summer) per hectare is estimated as Rs.1, 24,787/-when Cost A, is considered. Hired human labour gives a share of 29.92% and other expense gives 14% component wise holding size class details are presented below.

Table 150- Cost of Cultivation per hectare (in Rs) of Ladies Finger (Summer)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	32881	44726		37339
2	Animal labour				
3	Machine labour	3592	2668		3244
4	Seed /seedlings	10896	7066		9454
5	Farmyard manure and chemical fertilizers	34996	28616		32595
6	Plant Protection	3283	2029		2811
7	Land tax and irrigation cess	196	156		181
8	Repair and maintenance charges of implements, machinery and building	19954	206		12522
9	Interest on working capital	8565	8510		8544
10	Other expenses	20825	13577		18097
11	Total cost 'A'(1-10)	135188	107554		124787
12	Interest on fixed capital	34066	8285		24357
13	Cost 'B1'(11+12)	169254	115839		149144
14	Interest on land value	508231	240016		407285
15	Cost 'B'(13+14)	677485	355855		556429
16	Imputed value of household labour	93236	46831		75771
17	Cost 'C'(15+16)	770721	402686		632200

Percentage Distribution of “COST A” per hectare of Ladies Finger (Summer) during 2021-22



In Ladies Finger (Summer) cultivation male labour participation accounted as 27.55 of the total labour hours. Details are given below.

Table 151: Percentage of hired human labour hours to total human labour hours

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	21.56	40.78		27.55
Female	2.6	14.86		4.66
Total	24.16	55.64		32.21

Table 152: Cost of Cultivation of Ladies Finger (Summer) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	99113	104292		100322
	2021-2022	135188	107554		124787
Cost 'B'	2020-2021	603798	774473		643640
	2021-2022	677485	355855		556429
Cost 'C'	2020-2021	700148	842587		733400
	2021-2022	770721	402686		632200

Value of Output

Table 153: Value of product and by-product per hectare (in Rs) of Ladies Finger (Summer) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
304445	307629		305643

2.17.1 Cabbage-Autumn during 2021-22

Table 154: Area and number of holdings in under cabbage (Autumn)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	4	0.53	30.11	0.13
Medium	6	1.23	69.89	0.21
Large				
Total	10	1.76	100	0.18

Table 155- Cost of Cultivation per hectare (in Rs) of Cabbage (Autumn)

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	142880	107182		117850
2	Animal labour				
3	Machine labour				
4	Seed /seedlings	24367	21825		22585
5	Farmyard manure and chemical fertilizers	9737	10593		10337
6	Plant Protection	3909	6317		5597
7	Land tax and irrigation cess	123	119		121
8	Repair and maintenance charges of implements, machinery and building	475	972		823
9	Interest on working capital	18089	14592		15637
10	Other expenses	950			284
11	Total cost 'A'(1-10)	200530	161600		173234
12	Interest on fixed capital	18554	3009		7659
13	Cost 'B1'(11+12)	219084	164609		180893
14	Interest on land value	71360	70140		70505
15	Cost 'B'(13+14)	290444	234749		251398
16	Imputed value of household labour	28690	16278		19987
17	Cost 'C'(15+16)	319134	251027		271385

Percentage Distribution of “COST A” per hectare of Cabbage (Autumn)during

2021-22

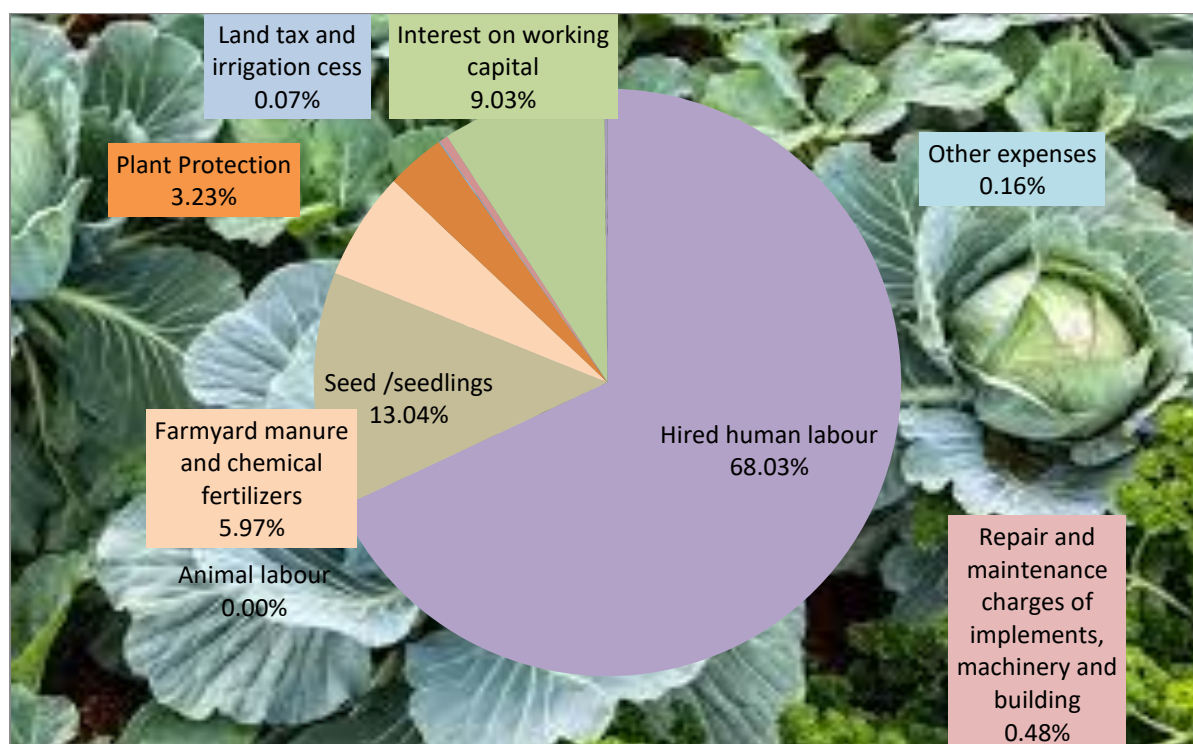


Table 156: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	44.58	55.75		51.58
Female	40.7	40.73		33.26
Total	85.28	96.48		84.84

Table 157 : Cost of Cultivation of Cabbage (Autumn) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	258124	176420		198208
	2021-2022	200530	161600		173234
Cost 'B'	2020-2021	373238	285800		309095
	2021-2022	290446	234749		251398
Cost 'C'	2020-2021	373238	285800		309095
	2021-2022	319134	251027		271385

Value of Output

Table 158: Value of product and by-product per hectare (in Rs) of Cabbage (Autumn) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
297065	315877		310255

Value of product per hectare of Cabbage in Autumn season is estimated as Rs.3,10,255/- whereas the cost of cultivation per hectare is Rs.1,73,234/-.

2.17.2 Cabbage - Winter during 2021-22

During 2021-22 for the cost of cultivation study on Cabbage (Winter) season, 12 sample holdings by covering 1.76 hectare and the average area per holding covers to 0.15 hectare.

Table 159: Area and number of holdings under Cabbage (Winter)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	9	0.67	38.07	0.07
Medium	3	1.09	61.93	0.36
Large				
Total	12	1.76	100	0.15

Cost of cultivation

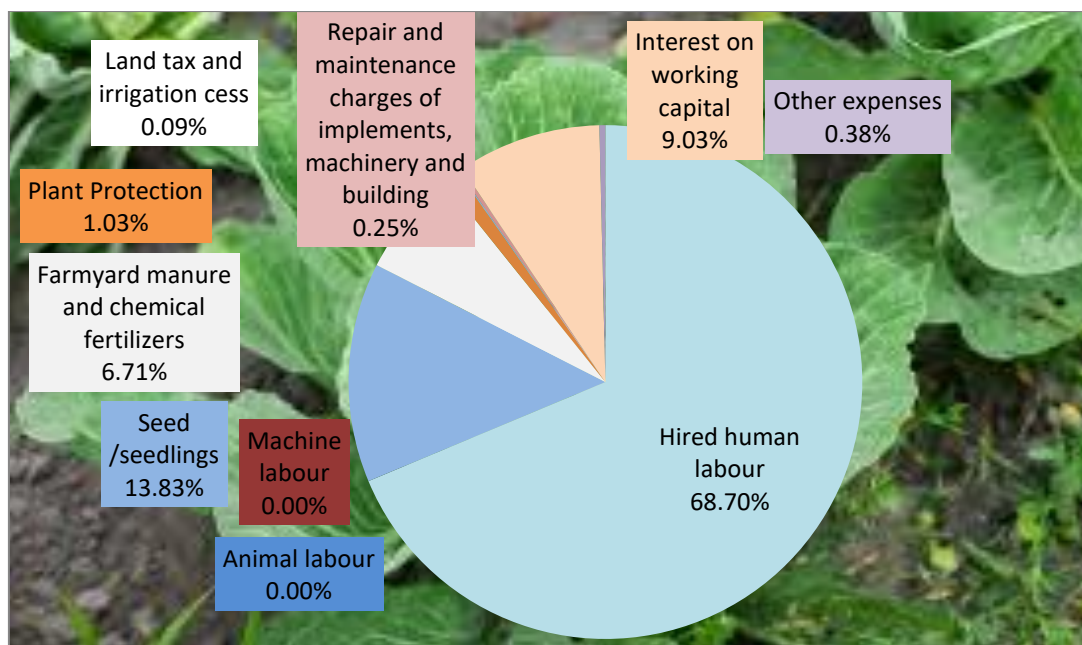
In Cost A, the major share of the cost component was hired human labour. It constitutes 68.70%. Also farmyard manure and chemical fertilizers account 6.71%. Other expense account was 0.38% .By considering the various cost component of Cabbage (Winter) cultivation, per hectare cost calculated as Rs.1,58,311/-.

Table 160- Cost of Cultivation per hectare (in Rs) of Cabbage (Winter)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	118917	102503		108753
2	Animal labour				
3	Machine labour				
4	Seed /seedlings	21486	22139		21890
5	Farmyard manure and chemical fertilizers	5763	13608		10621
6	Plant Protection	866	2099		1630
7	Land tax and irrigation cess	157	123		136
8	Repair and maintenance charges of implements, machinery and building	744	183		397
9	Interest on working capital	14703	14035		14289
10	Other expenses	1562			595
11	Total cost 'A'(1-10)	164198	154690		158311
12	Interest on fixed capital	2492	531		1274
13	Cost 'B1'(11+12)	166690	155221		159585
14	Interest on land value	100062	118915		111737
15	Cost 'B'(13+14)	266752	274136		271322
16	Imputed value of household labour	39245	10886		21683
17	Cost 'C'(15+16)	305997	285022		293005

Percentage Distribution of 'COST A' per hectare of Cabbage (Winter) during

2021-22



Sex wise work participation percentage of hired human labours for cabbage (Winter) cultivation shown below reveals that 34.8% of work shared by female whereas percentage share to male workers is 46.53%.

Table 161: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	42.31	50.53		46.53
Female	35.34	43.37		34.8
Total	77.65	93.9		81.33

Table 162: Cost of Cultivation of Cabbage (Winter) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	248449	230397		235211
	2021-2022	164198	154690		158311
Cost 'B'	2020-2021	363193	338798		345282
	2021-2022	266752	274136		271322
Cost 'C'	2020-2021	363193	338798		345282
	2021-2022	305997	285022		293005

Value of Output

Table 163: Value of product and by-product per hectare (in Rs) of Cabbage (Winter)during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
268932	292260		283379

2.17.3 Cabbage– Summer during 2021-22

For the cost of cultivation study on Cabbage (Summer) during 2021-22 the total number of sample holdings selected was 12.The details of these holdings are presented below.

Table 164: Area and number of holdings under Cabbage(Summer)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	12	0.64	100	0.05
Medium				
Large				
Total	12	0.64	100	0.05

The total area under cultivation in the selected sample holdings covers 0.64 hectares and the average size of holdings is 0.05hectare.

Cost of cultivation

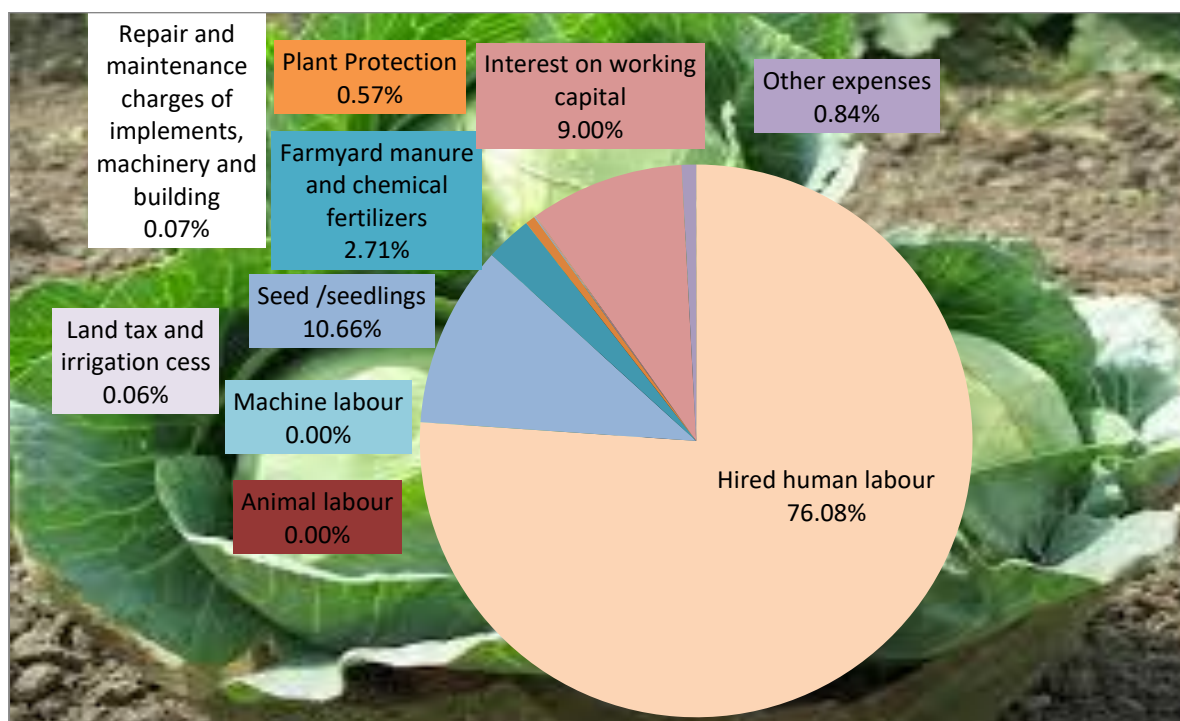
Cost of cultivation of Cabbage (Summer) per hectare is estimated as Rs.2,24,093/.when Cost A, is considered. Hired human labour gives a share of 76.08% and other expense gves 0.84% component wise holding size class details are presented below.

Table 165- Cost of Cultivation per hectare (in Rs) of Cabbage(Summer)

Sl.No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	170493			170493
2	Animal labour				
3	Machine labour				

4	Seed /seedlings	23896			23896
5	Farmyard manure and chemical fertilizers	6073			6073
6	Plant Protection	1277			1277
7	Land tax and irrigation cess	135			135
8	Repair and maintenance charges of implements, machinery and building	157			157
9	Interest on working capital	20174			20174
10	Other expenses	1888			1888
11	Total cost 'A'(1-10)	224093			224093
12	Interest on fixed capital	2989			2989
13	Cost 'B1'(11+12)	227082			227082
14	Interest on land value	88511			88511
15	Cost 'B'(13+14)	315593			315593
16	Imputed value of household labour	16558			16558
17	Cost 'C'(15+16))	332151			332151

Percentage Distribution of “COST A” per hectare of Cabbage (Summer)during 2021-22



In Cabbage (Summer) cultivation male labour participation accounted as 59.18% of the total labour hours. Details are given below.

Table 166: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	59.18			59.18
Female	44.04			32.12
Total	103.22			91.3

Table 167: Cost of Cultivation of Cabbage (Summer) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	292224			292224
	2021-2022	224093			224093
Cost 'B'	2020-2021	432858			432858
	2021-2022	315593			315593
Cost 'C'	2020-2021	432858			432858
	2021-2022	332151			332151

Value of Output

Table 168: Value of product and by-product per hectare (in Rs) of Cabbage (Summer) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
347885			347885

2.18.1 Carrot – Autumn during 2021-22

Table 169: Area and number of holdings under Carrot - Autumn

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	4	0.34	14.66	0.09
Medium	6	1.98	85.34	0.33
Large				
Total	10	2.32	100	0.23

Table 170- Cost of Cultivation per hectare (in Rs) of Carrot (Autumn)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	123791	84827		90587
2	Animal labour				
3	Machine labour				
4	Seed /seedlings	9154	6276		6701
5	Farmyard manure and chemical fertilizers	9226	10692		10475
6	Plant Protection	3073	2722		2774
7	Land tax and irrigation cess	124	55		66
8	Repair and maintenance charges of implements, machinery and building	1744	353		558
9	Interest on working capital	14524	10452		11054
10	Other expenses		12602		10739
11	Total cost 'A'(1-10)	161636	127979		132954
12	Interest on fixed capital	5986	5459		5532
13	Cost 'B1'(11+12)	167622	133438		138486
14	Interest on land value	79966	67064		68971
15	Cost 'B'(13+14)	247588	200502		207457
16	Imputed value of household labour	33708	8569		12286
17	Cost 'C'(15+16)	281296	209071		219743

Percentage Distribution of “COST A” per hectare of Carrot (Autumn)during 2021-22

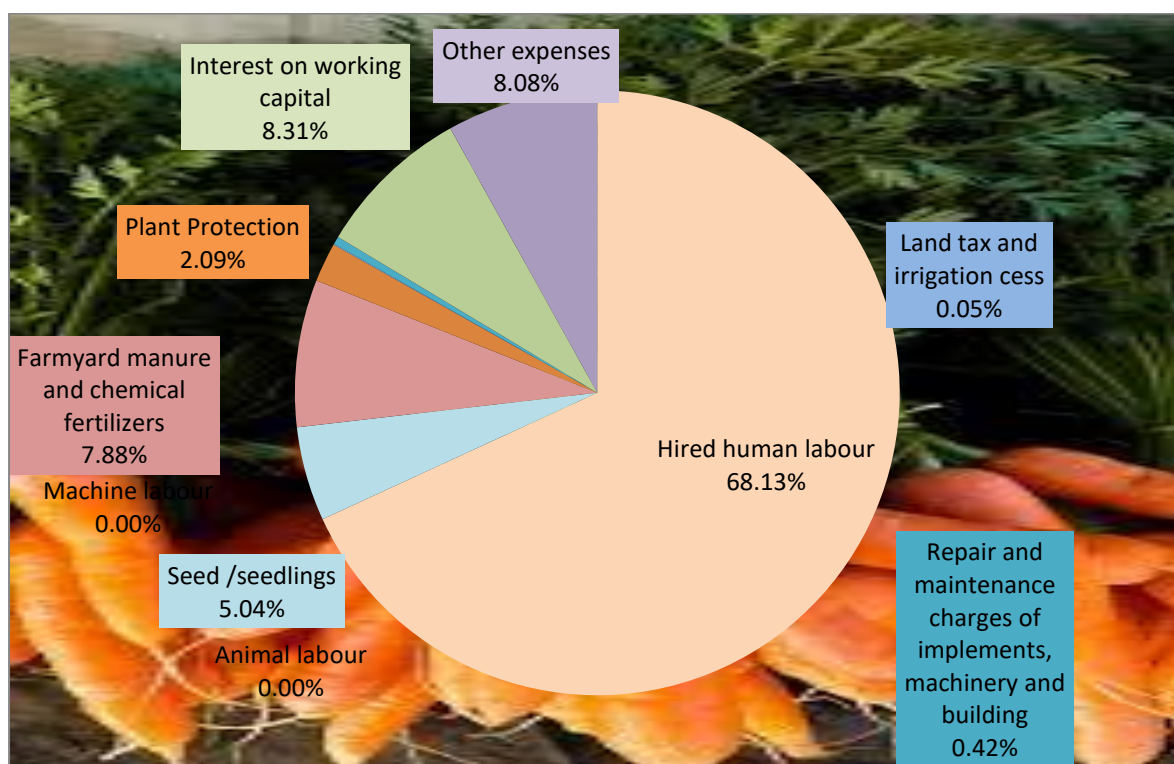


Table 171: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	46.53	43.77		44.39
Female	37.21	45.35		43.27
Total	83.74	89.12		87.66

In Carrot (Autumn) cultivation 43.27% of total labour hours shares to female participation of hired human labour hours.

Table 172: Cost of Cultivation of Carrot (Autumn) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	224290	216188		219274
	2021-2022	161636	127979		132954
Cost 'B'	2020-2021	335305	311416		320487
	2021-2022	247588	200502		207457
Cost 'C'	2020-2021	335305	311416		320487
	2021-2022	281296	209071		219743

Value of Output

Table 173: Value of product and by-product per hectare (in Rs) of Carrot (Autumn)during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
270247	260484		261927

2.18.2 Carrot -Winter during 2021-22

During 2021-22, cost of cultivation study on Carrot (Winter) season, 10 sample holdings by covering 1.56 hectare selected and the average area per holding covers to 0.16 hectare.

Table 174: Area and number of holdings under Carrot (Winter)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	8	0.95	60.9	0.12
Medium	2	0.61	39.1	0.31
Large				
Total	10	1.56	100	0.16

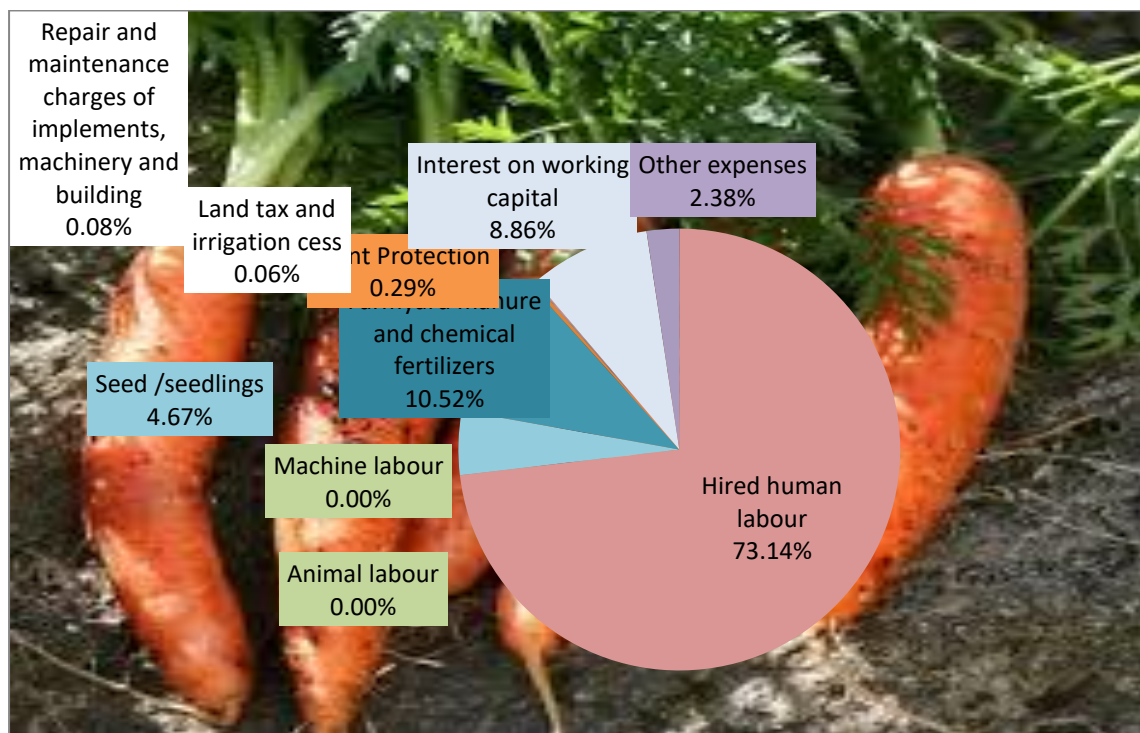
Cost of cultivation

In Cost A, the major share of the cost component was hired human labour. It constitutes 73.14% .Also farmyard manure and chemical fertilizers account 10.52%. Other expense account was 2.38% .By considering the various cost component of Carrot (Winter) cultivation, per hectare cost calculated as Rs.1,91,780/-.

Table 175- Cost of Cultivation per hectare (in Rs) of Carrot (Winter)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	142608	136607		140270
2	Animal labour				
3	Machine labour				
4	Seed /seedlings	9933	7410		8950
5	Farmyard manure and chemical fertilizers	17600	24206		20174
6	Plant Protection	403	817		564
7	Land tax and irrigation cess	102	123		111
8	Repair and maintenance charges of implements, machinery and building	263			160
9	Interest on working capital	17054	16904		16996
10	Other expenses	7463			4555
11	Total cost 'A'(1-10)	195426	186067		191780
12	Interest on fixed capital	19103	659		11907
13	Cost 'B1'(11+12)	214529	186726		203687
14	Interest on land value	88231	98960		92411
15	Cost 'B'(13+14)	302760	285686		296098
16	Imputed value of household labour				
17	Cost 'C'(15+16)	302760	285686		296098

Percentage Distribution of “COST A” per hectare of Carrot (Winter) during 2021-22



Sex wise work participation of hired human labours for carrot (Winter) shown below reveals that 34.15% of work shared by female whereas percentage share to male workers is 65.85%.

Table 176: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	69.16	60.56		65.85
Female	50	50		34.15
Total	119.16	110.56		100

Table 177: Percentage of hired human labour hours to total human labour hours.

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	245391	260574		255161
	2021-2022	195426	186067		191780
Cost 'B'	2020-2021	363738	355080		358194
	2021-2022	302760	285686		296098
Cost 'C'	2020-2021	363738	355080		358194
	2021-2022	302760	285686		296098

Value of Output

Table 178: Value of product and by-product per hectare (in Rs) of Carrot (Winter)during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
233993	229710		232324

2.18.3 Carrot – Summer during 2021-22

For the cost of cultivation study on Carrot (Summer) during 2021-22 the total number of sample holdings selected was 10. The details of these holdings are presented below.

Table 179: Area and number of holdings under Carrot(Summer)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	10	0.45	100	0.05
Medium				
Large				
Total	10	0.45	100	0.04

The total area under cultivation in the selected sample holdings covers 0.45 hectares and the average size of holdings is 0.04 hectare.

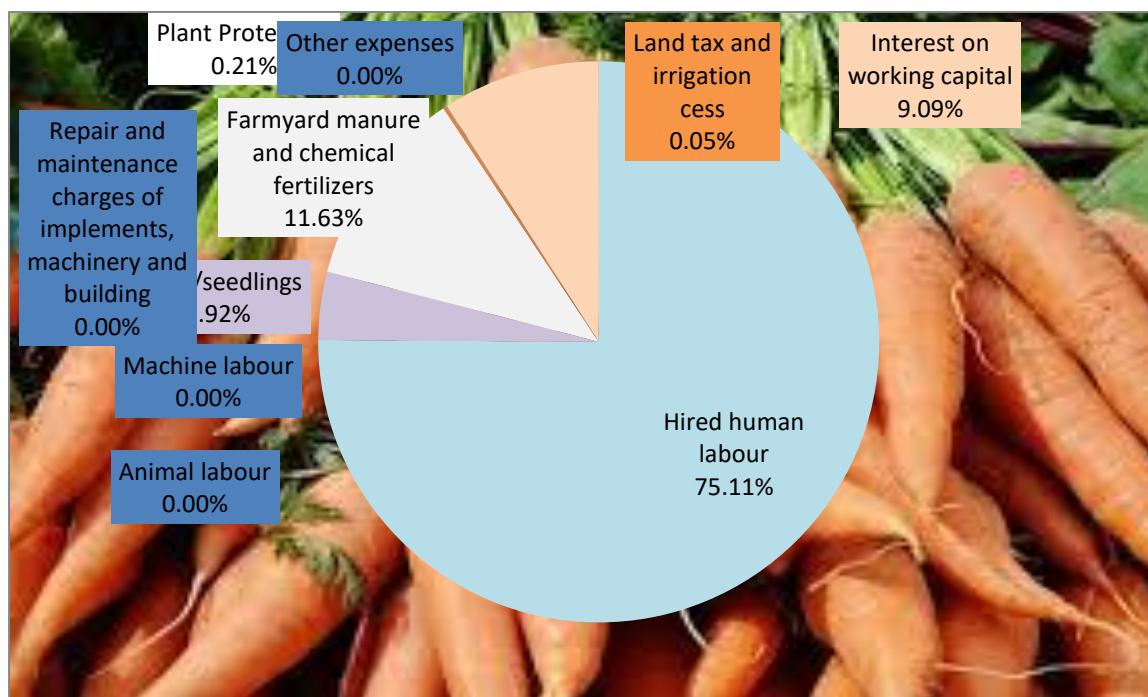
Cost of cultivation

Cost of cultivation of Carrot (Summer) per hectare is estimated as Rs.2,34,869/- when Cost A is considered. Hired human labour gives a share of 75.11% and component wise holding size class details are presented below.

Table 180- Cost of Cultivation per hectare (in Rs) of Carrot (Summer)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	176411			176411
2	Animal labour				
3	Machine labour				
4	Seed /seedlings	9196			9196
5	Farmyard manure and chemical fertilizers	27308			27308
6	Plant Protection	490			490
7	Land tax and irrigation cess	124			124
8	Repair and maintenance charges of implements, machinery and building				
9	Interest on working capital	21340			21340
10	Other expenses				
11	Total cost 'A'(1-10)	234869			234869
12	Interest on fixed capital	3767			3767
13	Cost 'B1'(11+12)	238636			238636
14	Interest on land value	101262			101262
15	Cost 'B'(13+14)	339898			339898
16	Imputed value of household labour	15371			15371
17	Cost 'C'(15+16)	355269			355269

Percentage Distribution of “COST A” per hectare of Carrot (Summer) during 2021-22



In Carrot (Summer) cultivation male labour participation accounted as 48.79% of the total labour hours. Details are given below

Table 181: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All sizes
Male	48.79			48.79
Female	46.12			46.12
Total	94.91			94.91

Table 182: Cost of Cultivation of Carrot (Summer) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	268283			268283
	2021-2022	234869			234869
Cost 'B'	2020-2021	429387			429164
	2021-2022	339869			339898
Cost 'C'	2020-2021	429387			429164
	2021-2022	355240			355269

Value of Output

Table 183: Value of product and by-product per hectare (in Rs) of Carrot (Summer) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
289255			289255

2.19.1 Potato (Autumn) during 2021-22

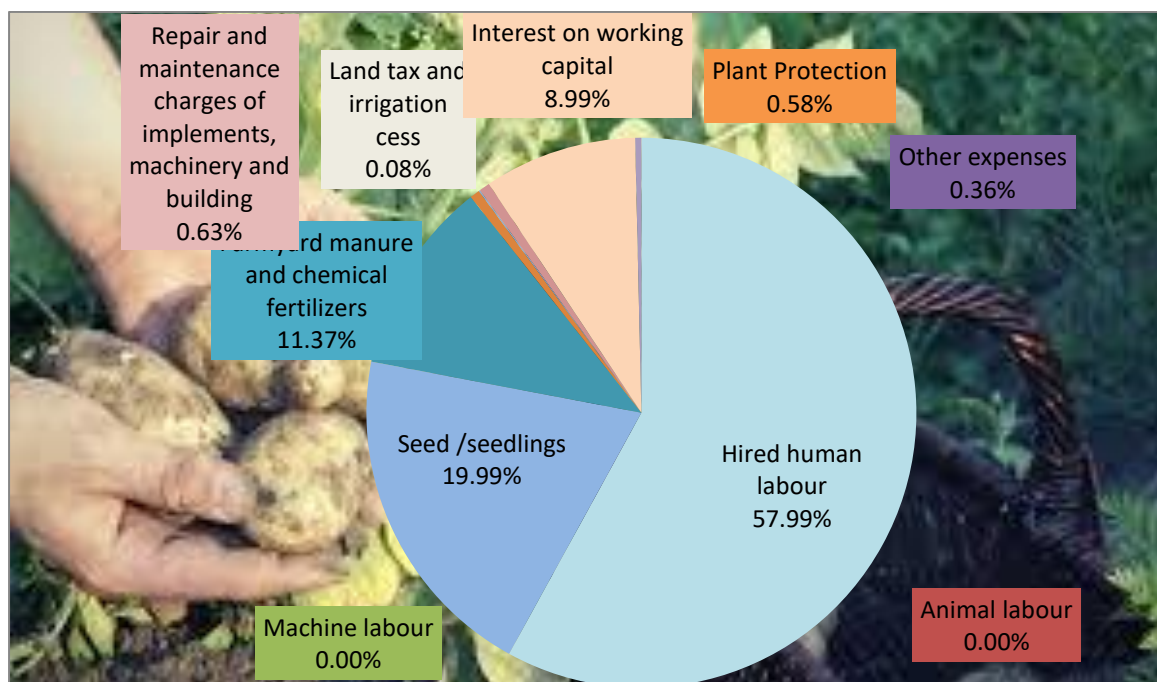
Table 184: Area and number of holdings under Potato (Autumn)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	7	0.79	42.93	0.11
Medium	3	1.05	57.07	0.35
Large				
Total	10	1.84	100	0.18

Table 185- Cost of Cultivation per hectare (in Rs) of Potato (Autumn)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	122005	60724		86987
2	Animal labour				
3	Machine labour				
4	Seed /seedlings	28798	30866		29979
5	Farmyard manure and chemical fertilizers	18272	16150		17059
6	Plant Protection	1013	760		869
7	Land tax and irrigation cess	123	124		124
8	Repair and maintenance charges of implements, machinery and building	887	998		950
9	Interest on working capital	17009	10850		13489
10	Other expenses	633	475		543
11	Total cost 'A'(1-10)	188740	120947		150000
12	Interest on fixed capital	14985	28187		22554
13	Cost 'B1'(11+12)	203725	149134		172554
14	Interest on land value	73718	64406		68397
15	Cost 'B'(13+14)	277443	213540		240951
16	Imputed value of household labour	15453	6270		10206
17	Cost 'C'(15+16)	292896	219810		251157

Percentage Distribution of “COST A” per hectare of Potato(Autumn) during 2021-22



In Potato (Autumn) cultivation male labour participation accounted as 49.39% of the total labour hours. Details are given below

Table 186: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	48.26	51.16		49.39
Female	43.78	45.22		40.3
Total	92.04	96.38		89.69

Table 187: Cost of Cultivation of Potato (Autumn) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	252178	203400	154688	191416
	2021-2022	188740	120945		150000
Cost 'B'	2020-2021	330637	312006	254229	297959
	2021-2022	277443	213540		240951
Cost 'C'	2020-2021	378321	312006	254229	299507
	2021-2022	292896	219810		251157

Value of Output**Table 188: Value of product and by-product per hectare (in Rs) of Potato (Autumn)during 2021-22**

Holding Size Class			
Small	Medium	Large	All Sizes
233041	184823		205488

Value of product per hectare of Potato in Autumn season is estimated as Rs.2,05,488/- whereas the cost of cultivation per hectare is Rs.1,50,000/-.

2.19.2 Potato-winter during 2021-22

During 2021-22, cost of cultivation study on Potato (Winter) season, 10 sample holdings by covering 1.36 hectare selected and the average area per holding covers to 0.14 hectare.

Table 189: Area and number of holdings under Potato (winter)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	8	0.65	47.79	0.08
Medium	2	0.71	52.21	0.36
Large				
Total	10	1.36	100	0.14

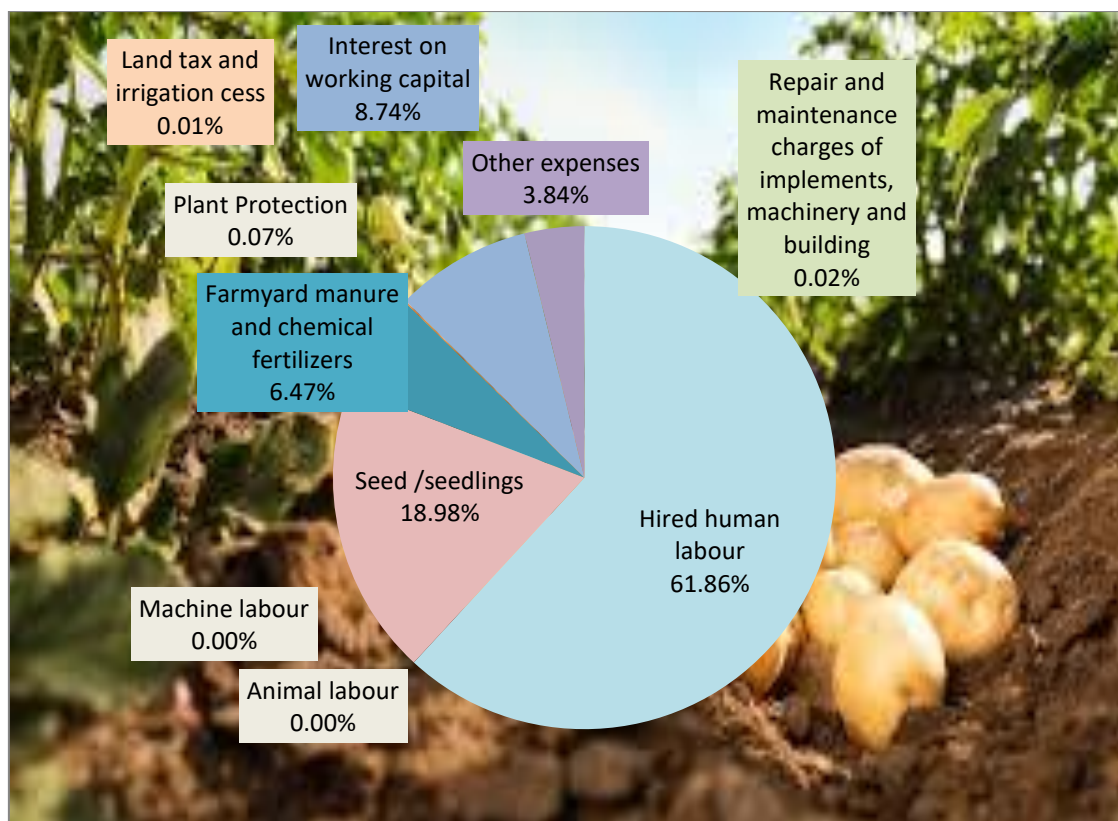
Cost of cultivation

In Cost A, the major share of the cost component was hired human labour. It constitutes 61.86. Also farmyard manure and chemical fertilizers account 6.47%. Other expense account was 3.84%. By considering the various cost component of Potato (Winter) cultivation, per hectare cost calculated as Rs.1,80,452/-.

Table 190- Cost of Cultivation per hectare (in Rs) of Potato (winter)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	122027	102075		111635
2	Animal labour				
3	Machine labour				
4	Seed /seedlings	30979	37262		34251
5	Farmyard manure and chemical fertilizers	13669	9845		11677
6	Plant Protection	61	201		134
7	Land tax and irrigation cess	42			20
8	Repair and maintenance charges of implements, machinery and building	77			37
9	Interest on working capital	16674	14938		15770
10	Other expenses	12158	2117		6928
11	Total cost 'A'(1-10)	195687	166438		180452
12	Interest on fixed capital	40801	755		19949
13	Cost 'B1'(11+12)	236488	167193		200401
14	Interest on land value	97601	131946		115489
15	Cost 'B'(13+14)	334089	299139		315890
16	Imputed value of household labour	7441			3565
17	Cost 'C'(15+16))	341530	299139		319455

Percentage Distribution of “COST A” per hectare of Potato (winter)during 2021-22



Sex wise work participation percentage of hired human labours for Potato (winter) cultivation shows below reveals that 28.25% of work shared by Female whereas percentage share to male workers is 65.8%.

Table 191: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	65.75	65.85		65.8
Female	40.48	50		28.25
Total	106.23	115.85		94.05

Table 192: Cost of Cultivation of Potato (Winter) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	204815	174758		186933
	2021-2022	195687	166438		180452
Cost 'B'	2020-2021	328385	292692		307139
	2021-2022	334089	299139		315890
Cost 'C'	2020-2021	336104	292692		310266
	2021-2022	341530	299139		319455

Value of Output

Table 193: Value of product and by-product per hectare (in Rs) of Potato (winter) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
229672	232180		230978

2.20.1 Beans (Autumn) during 2021-22**Table 194: Area and number of holdings under Beans (Autumn)**

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	4	0.3	9.55	0.08
Medium	6	2.83	90.13	0.47
Large				
Total	10	3.13	99.68	0.31

Table 195- Cost of Cultivation per hectare (in Rs) of Beans (Autumn)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	75088	58080		59726
2	Animal labour				
3	Machine labour				
4	Seed /seedlings	23396	42907		41019
5	Farmyard manure and chemical fertilizers	8151	7666		7713
6	Plant Protection	1317	1719		1680
7	Land tax and irrigation cess	16	101		93
8	Repair and maintenance charges of implements, machinery and building	1811	423		558
9	Interest on working capital	10795	11037		11014
10	Other expenses	52693	18		5115
11	Total cost 'A'(1-10)	173267	121951		126918
12	Interest on fixed capital	7575	4215		4537
13	Cost 'B1'(11+12)	180842	126166		131455
14	Interest on land value	73568	72838		72909
15	Cost 'B'(13+14)	254410	199004		204364
16	Imputed value of household labour	15149	3352		4494
17	Cost 'C'(15+16)	269559	202356		208858

Percentage Distribution of “COST A” per hectare of Beans (Autumn)during 2021-22

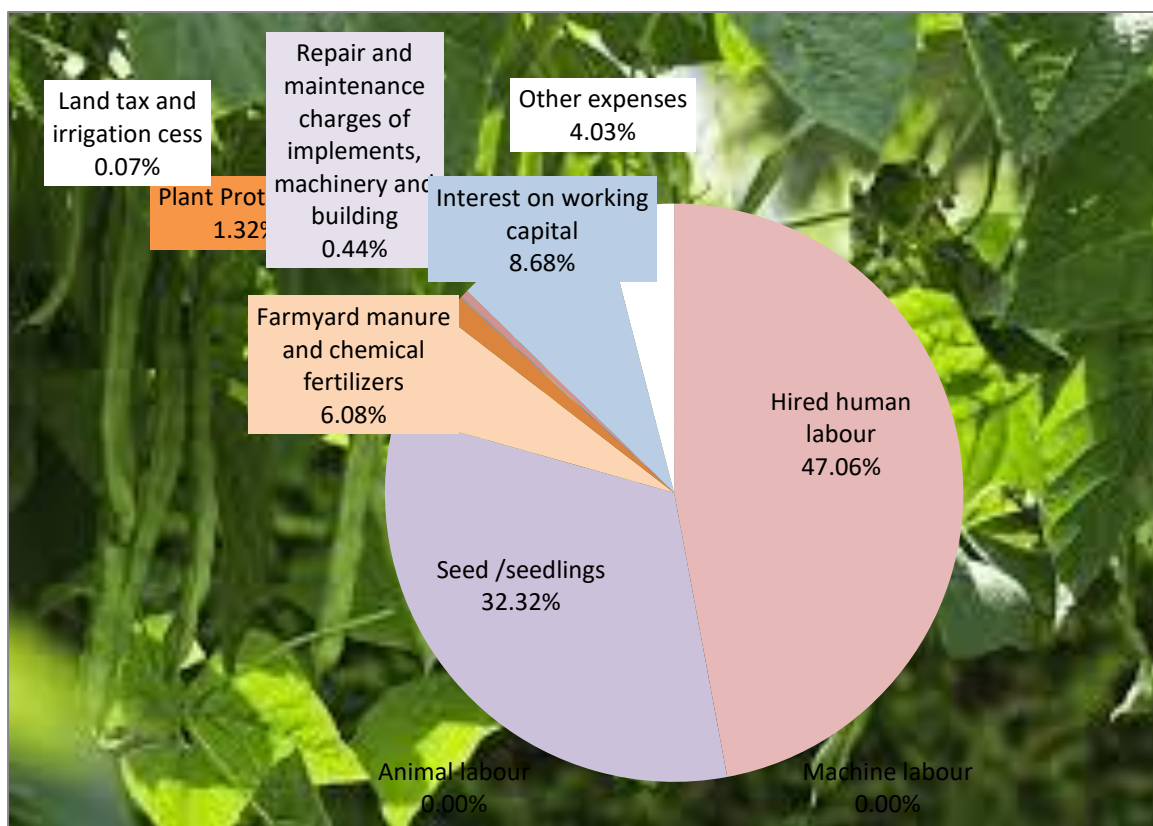


Table 196: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	45.28	46.97		46.71
Female	38.3	46.69		44.51
Total	83.58	93.66		91.22

In Beans (Autumn) cultivation 44.51% of total labour hours to female participation of hired human labour hours.

Table 197 : Cost of Cultivation of Beans (Autumn) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	235001	158538		168340
	2021-2022	173267	121951		126918
Cost 'B'	2020-2021	341228	253210		264484
	2021-2022	254410	199004		204364
Cost 'C'	2020-2021	341228	253210		264484
	2021-2022	269559	202356		208858

Value of Output**Table 198: Value of product and by-product per hectare (in Rs) of Beans (Autumn)during 2021-22**

Holding Size Class			
Small	Medium	Large	All Sizes
193648	231227		227591

Value of product per hectare of Beans in Autumn season is estimated as Rs.2,27,591/- whereas the cost of cultivation per hectare is Rs.1,26,918/-.

2.20.2 Beans – Winter during 2020-21

During 2021-22, cost of cultivation study on Beans (Winter) season, 12 sample holdings by covering 2 hectare selected and the average area per holding covers to 0.17 hectare.

Table 199: Area and number of holdings under Beans (Winter)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	8	0.91	45.5	0.11
Medium	4	1.09	54.5	0.27
Large				
Total	12	2	100	0.17

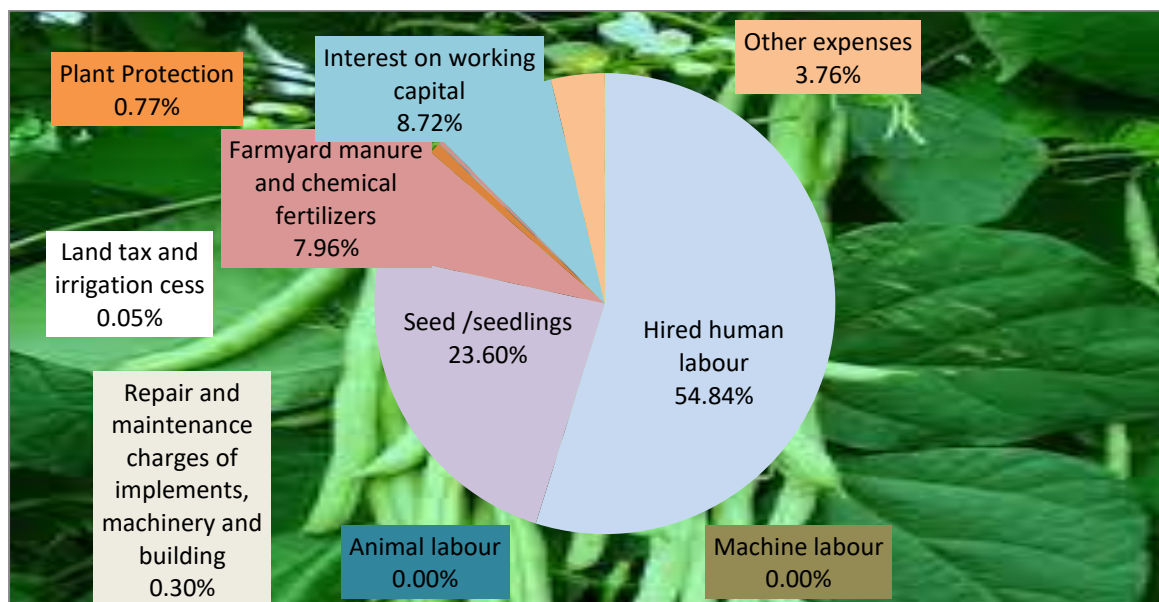
Cost of cultivation

In Cost A, the major share of the cost component was hired human labour. It constitutes 54.84% .Also farmyard manure and chemical fertilizers account 7.96% Other expense account was 3.76% .By considering the various cost component of Beans (Winter) cultivation, per hectare cost calculated as Rs.1,58,403/-.

Table 200- Cost of Cultivation per hectare (in Rs) of Beans (Winter)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	100271	75621		86871
2	Animal labour				
3	Machine labour				
4	Seed /seedlings	36246	38340		37384
5	Farmyard manure and chemical fertilizers	10363	14488		12606
6	Plant Protection	1606	892		1218
7	Land tax and irrigation cess	129	35		78
8	Repair and maintenance charges of implements, machinery and building	878	138		476
9	Interest on working capital	14849	12934		13808
10	Other expenses	3732	7834		5962
11	Total cost 'A'(1-10)	168074	150282		158403
12	Interest on fixed capital	10703	16751		13963
13	Cost 'B1'(11+12)	178777	167033		172366
14	Interest on land value	87678	68983		77515
15	Cost 'B'(13+14)	266455	236016		249881
16	Imputed value of household labour	17235			7866
17	Cost 'C'(15+16))	283690	236016		257747

Percentage Distribution of “COST A” per hectare of Beans (Winer)during 2021-22



Sex wise work participation percentage of hired human labours for Beans (Winter) cultivation shown below reveals that 31.82% of work shared by female whereas percentage share to male workers is 58.73%.

Table 201: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	56.29	62		58.73
Female	38.35	50		31.82
Total	94.64	112		90.55

Table 202 : Cost of Cultivation of Beans (Winter) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	227493	148857		158938
	2021-2022	168074	150282		158403
Cost 'B'	2020-2021	358864	243173		257997
	2021-2022	266455	236016		249881
Cost 'C'	2020-2021	358864	243173		257997
	2021-2022	283690	236016		257747

Value of Output

Table 203: Value of product and by-product per hectare (in Rs) of Beans (Winter) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
227482	280870		256504

2.20.3 Beans – Summer during 2021-22

For the cost of cultivation study on Beans (Summer) during 2021-22 the total number of sample holdings selected was 11. The details of these holdings are presented below.

Table 204: Area and number of holdings under Beans(Summer)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	8	0.49	42.98	0.06
Medium	3	0.65	57.02	0.22
Large				
Total	11	1.14	100	0.1

The total area under cultivation in the selected sample holdings covers 1.14 hectares and the average size of holdings is 0.1 hectare.

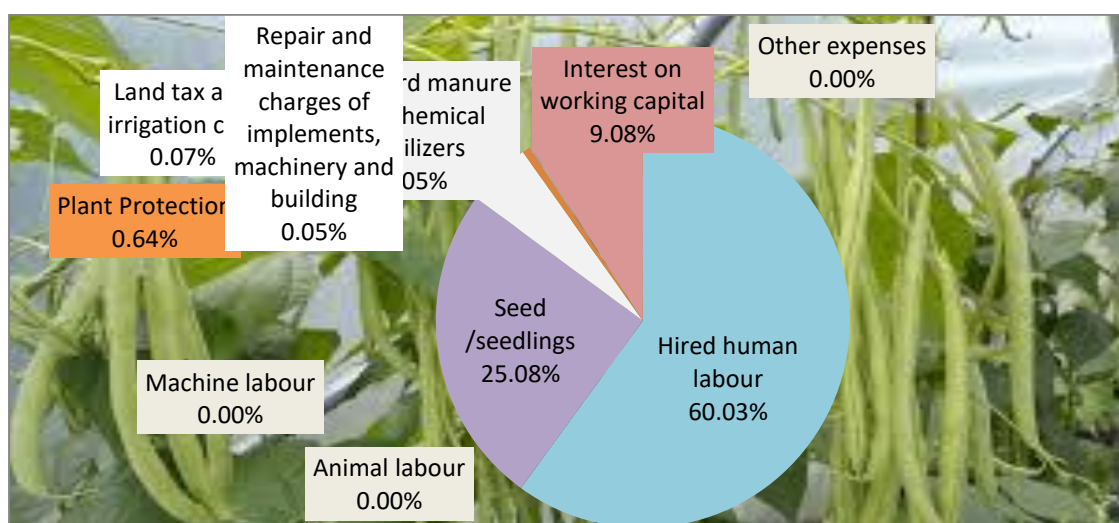
Cost of cultivation

Cost of cultivation of Beans (Summer) per hectare is estimated as Rs.1,75,390/- when Cost A, is considered. Hired human labour gives a share of 60.03% component wise holding size class details are presented below.

Table 205- Cost of Cultivation per hectare (in Rs) of Beans (Summer)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	124148	90896		105282
2	Animal labour				
3	Machine labour				
4	Seed /seedlings	43367	44460		43987
5	Farmyard manure and chemical fertilizers	9460	8390		8853
6	Plant Protection	322	1737		1125
7	Land tax and irrigation cess	139	123		130
8	Repair and maintenance charges of implements, machinery and building	202			88
9	Interest on working capital	17730	14548		15925
10	Other expenses				
11	Total cost 'A'(1-10)	195368	160154		175390
12	Interest on fixed capital	2591	1482		1965
13	Cost 'B1'(11+12)	197959	161636		177355
14	Interest on land value	92912	136622		117712
15	Cost 'B'(13+14)	290871	298258		295067
16	Imputed value of household labour	9920	3937		6525
17	Cost 'C'(15+16)	300791	302195		301592

Percentage Distribution of “COST A” per hectare of Beans (Summer) during 2021-22



In Beans (Summer) cultivation male labour participation accounted as 51.25% of the total labour hours. Details are given below

Table 206: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	48.12	54.6		51.25
Female	45.74	47.76		42.66
Total	93.86	102.36		93.91

Table 207: Cost of Cultivation of Beans (Summer) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	228172	153460		183899
	2021-2022	195368	160154		175390
Cost 'B'	2020-2021	397344	290869		334321
	2021-2022	290871	298258		295067
Cost 'C'	2020-2021	414409	290869		341274
	2021-2022	300791	302195		301592

Value of Output

Table 208: Value of product and by-product per hectare (in Rs) of Beans (Summer) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
281054	264907		271893

2.22.1 Garlic- Autumn during 2021-22

Table 209: Area and number of holdings under Garlic (Autumn)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	7	0.81	48.21	0.12
Medium	3	0.87	51.79	0.29
Large				
Total	10	1.68	100	0.17

Table 210- Cost of Cultivation per hectare (in Rs) of Garlic (Autumn)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	105271	69344		86658
2	Animal labour				
3	Machine labour				
4	Seed /seedlings	125105	119479		122191
5	Farmyard manure and chemical fertilizers	8923	4044		6395
6	Plant Protection	4860	2642		3711
7	Land tax and irrigation cess	77	124		101
8	Repair and maintenance charges of implements, machinery and building	679	1091		893
9	Interest on working capital	24416	19551		21896
10	Other expenses	17907	1723		9523
11	Total cost 'A'(1-10)	287238	217998		251368
12	Interest on fixed capital	14375	34195		24646
13	Cost 'B1'(11+12)	301613	252193		276014
14	Interest on land value	77543	56966		66883
15	Cost 'B'(13+14)	379156	309159		342897
16	Imputed value of household labour	21613	7353		14225
17	Cost 'C'(15+16)	400769	316512		357122

Percentage Distribution of “COST A” per hectare of Garlic (Autumn) during 2021-22

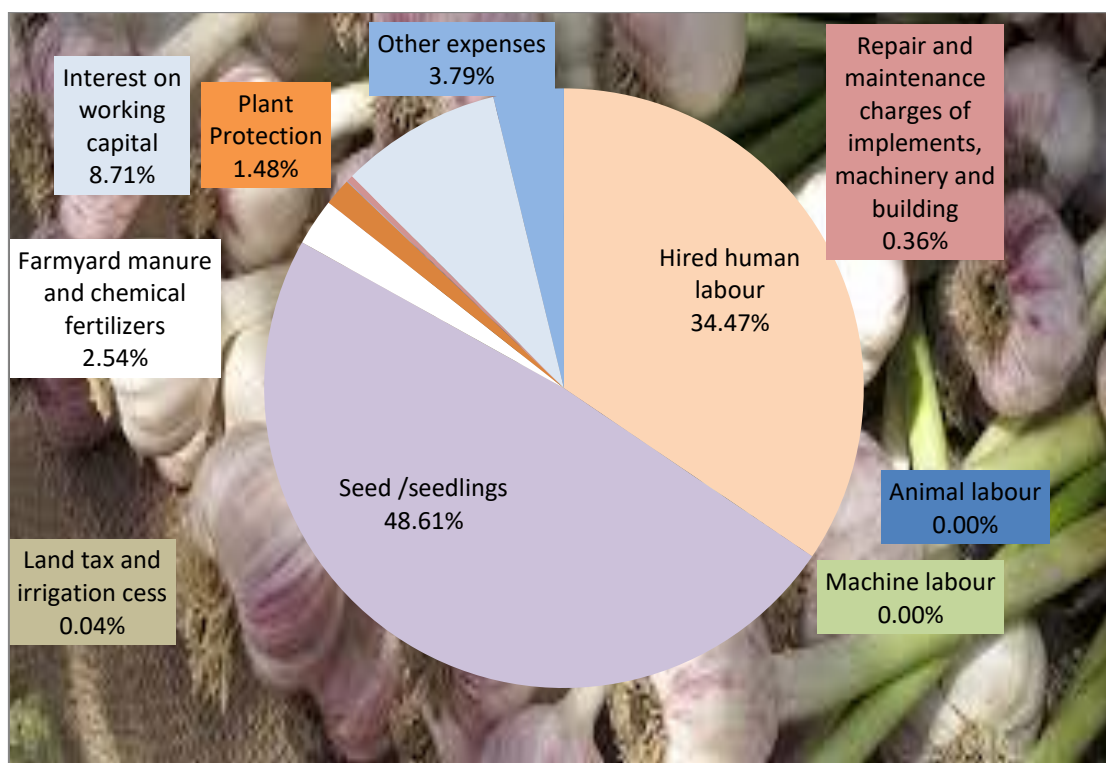


Table 211: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	49.8	44.53		47.67
Female	39.94	43.65		37.25
Total	89.74	88.18		84.92

In Garlic (Autumn) cultivation 37.25% of total labour hours shares to female participation of hired human labour hours.

Table 212 : Cost of Cultivation of Garlic (Autumn) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	398830	344252		366344
	2021-2022	287238	217998		251368
Cost 'B'	2020-2021	505055	459230		477785
	2021-2022	379156	309159		342897
Cost 'C'	2020-2021	505055	461996		479432
	2021-2022	400769	316512		357122

Value of Output

Table 213: Value of product and by-product per hectare (in Rs) of Garlic (Autumn)during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
415145	353842		383386

2.23.1 Tomato-Autumn during 2021-22

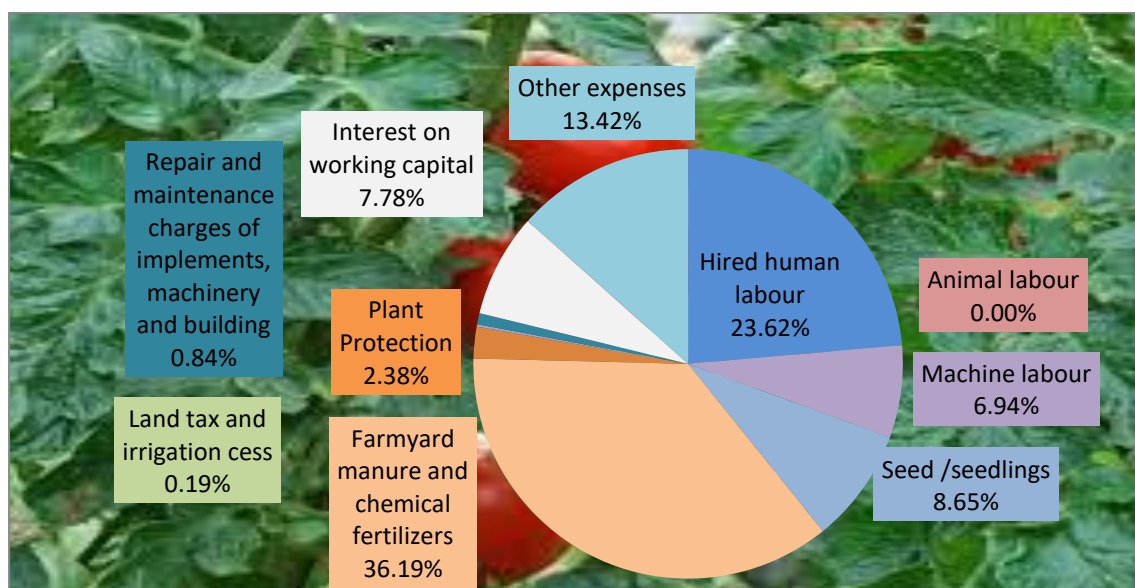
Table 214: Area and number of holdings under Tomato (Autumn)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	10	0.85	32.82	0.09
Medium	7	1.74	67.18	0.25
Large				
Total	17	2.59	100	0.15

Table 215- Cost of Cultivation per hectare (in Rs) of Tomato (Autumn)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	26317	33201		30943
2	Animal labour				
3	Machine labour	7516	9851		9085
4	Seed /seedlings	12232	10885		11327
5	Farmyard manure and chemical fertilizers	50300	45984		47400
6	Plant Protection	3185	3075		3111
7	Land tax and irrigation cess	309	213		244
8	Repair and maintenance charges of implements, machinery and building	3340			1096
9	Interest on working capital	9955	10300		10187
10	Other expenses	17890	17434		17583
11	Total cost 'A'(1-10)	131044	130943		130976
12	Interest on fixed capital	17131	30553		26160
13	Cost 'B1'(11+12)	148175	161496		157136
14	Interest on land value	212356	226097		221588
15	Cost 'B'(13+14)	360531	387593		378724
16	Imputed value of household labour	52840	24614		33876
17	Cost 'C'(15+16)	413371	412207		412600

Percentage Distribution of “COST A” per hectare of Tomato (Autumn)during 2021-22



In Tomato (Autumn) cultivation male labour participation accounted as 5.5% of the total labour hours. Details are given below

Table 216: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	9.32	3.29		5.5
Female	19.38	37.42		44.59
Total	28.7	40.71		50.09

In Tomato (Autumn) cultivation 44.59% of total labour hours to female participation of hired human labour hours.

Table 217 : Cost of Cultivation of Tomato(Autumn) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	17513	140019		135901
	2021-2022	131044	130943		130976
Cost 'B'	2020-2021	207641	250544		249097
	2021-2022	360531	387593		378724
Cost 'C'	2020-2021	274331	281827		281570
	2021-2022	413371	412207		412600

Value of Output

Table 218: Value of product and by-product per hectare (in Rs) of Tomato (Autumn) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
268082	290859		283385

Value of product per hectare of Tomato in Autumn season is estimated as Rs. 2,83,385/- whereas the cost of cultivation per hectare is Rs.1,30,976/-.

2.23.2 Tomato – Winter during 2021-22

During 2021-22, cost of cultivation study on Tomato (Winter) season, 21 sample holdings by covering 2.69 hectare selected and the average area per holding covers to 0.13 hectare.

Table 219: Area and number of holdings under Tomato (Winter)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	15	1.03	38.29	0.07
Medium	6	1.66	61.71	0.28
Large				
Total	21	2.69	100	0.13

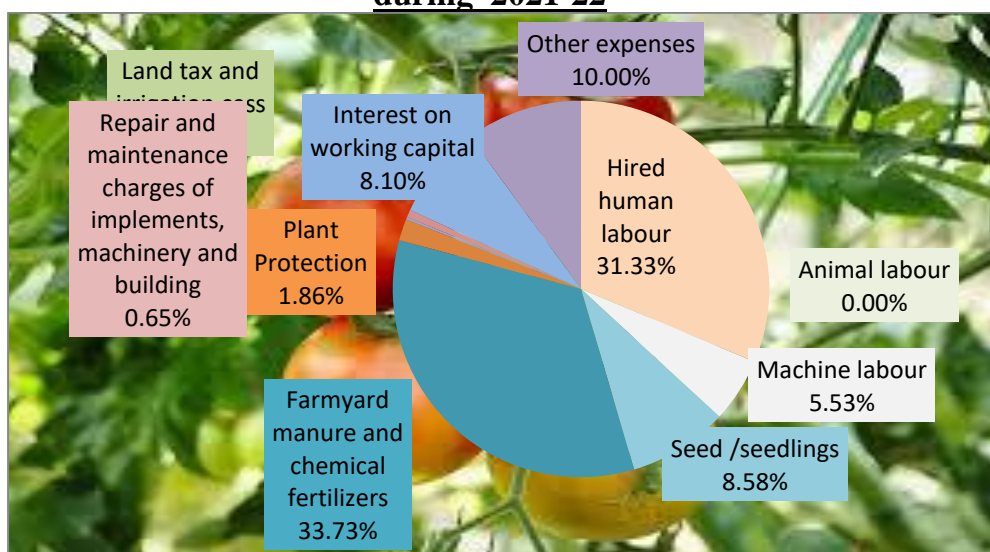
Cost of cultivation

In Cost A, the major share of the cost component was hired human labour. IT constitutes 31.33%. Also farmyard manure and chemical fertilizers account 33.73%. Other expense account was 10%. By considering the various cost component of Tomato (Winter) cultivation, per hectare cost calculated as Rs.1,51,040/-

Table 220- Cost of Cultivation per hectare (in Rs) of Tomato (Winter)

Sl No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	18363	65327		47319
2	Animal labour				
3	Machine labour	3591	11318		8355
4	Seed /seedlings	10112	14730		12959
5	Farmyard manure and chemical fertilizers	35087	60813		50948
6	Plant Protection	2925	2734		2807
7	Land tax and irrigation cess	279	337		315
8	Repair and maintenance charges of implements, machinery and building	639	1205		988
9	Interest on working capital	7008	15492		12239
10	Other expenses	12088	16989		15110
11	Total cost 'A'(1-10)	90092	188945		151040
12	Interest on fixed capital	24644	21381		22651
13	Cost 'B1'(11+12)	114736	210326		173691
14	Interest on land value	228417	268140		252908
15	Cost 'B'(13+14)	343153	478466		426599
16	Imputed value of household labour	69308	2109		27877
17	Cost 'C'(15+16))	412461	480575		454476

Percentage Distribution of “COST A” per hectare of Tomato (Winer) during 2021-22



Sex wise work participation percentage of hired human labours for Tomato (Winter) cultivation shown below reveals that 57.28% of work shared by female whereas percentage share to male workers is 9.43%.

Table 221: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	5.31	12.46		9.43
Female	17.21	49.23		57.28
Total	22.52	61.69		66.71

Table 222 : Cost of Cultivation of Tomato (Winter) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	60016	144860		128492
	2021-2022	90092	188945		151040
Cost 'B'	2020-2021	232070	269955		262634
	2021-2022	343153	478466		426599
Cost 'C'	2020-2021	322485	285016		292230
	2021-2022	412461	480575		454476

Value of Output

Table 223: Value of product and by-product per hectare (in Rs) of Tomato (Winter) during 2021-22

Holding Size Class			
Small	Medium	Large	All Sizes
217398	287341		260521

2.23.3 Tomato – Summer during 2021-22

For the cost of cultivation study on Tomato (Summer) during 2021-22 the total number of sample holdings selected was 14. The details of these holdings are presented below.

Table 224: Area and number of holdings under Tomato (Summer)

Holding Size Class	Sample Size	Area under the crop in the sample (ha)	Percentage Area	Average Area Per holding (ha)
Small	9	0.77	38.89	0.09
Medium	5	1.21	61.11	0.24
Large				
Total	14	1.98	100	0.14

The total area under cultivation in the selected sample holdings covers 1.98 hectares and the average size of holdings is 0.14 hectare.

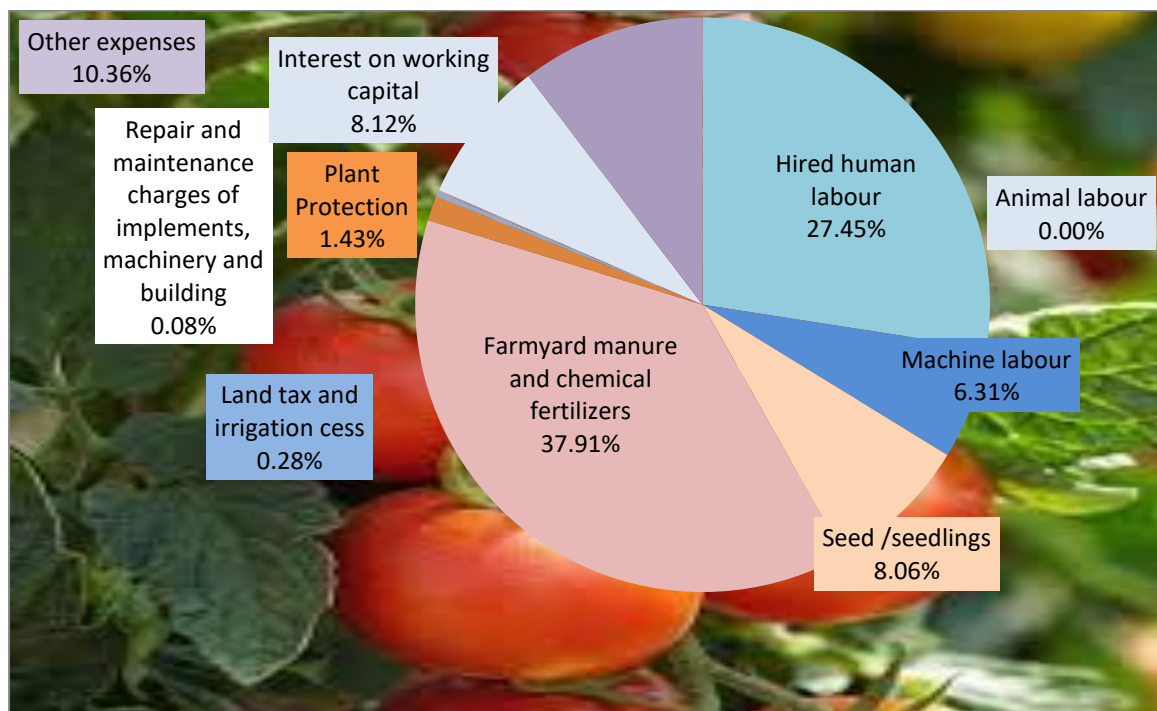
Cost of cultivation

Cost of cultivation of Tomato (Summer) per hectare is estimated as 1,80,259/- when Cost A, is considered. Hired human labour gives a share of 27.45% and other expense gives 10.36% component wise holding size class details are presented below.

Table 225- Cost of Cultivation per hectare (in Rs) of Tomato (Summer)

Sl. No	Components	Holding Size Class			
		Small	Medium	Large	All Sizes
1	Hired human labour	16835	70169		49488
2	Animal labour				
3	Machine labour	9165	12782		11380
4	Seed /seedlings	14003	14861		14528
5	Farmyard manure and chemical fertilizers	64718	70642		68345
6	Plant Protection	3250	2141		2571
7	Land tax and irrigation cess	507	494		499
8	Repair and maintenance charges of implements, machinery and building	364			141
9	Interest on working capital	10797	17060		14631
10	Other expenses	18265	18937		18676
11	Total cost 'A'(1-10)	137904	207086		180259
12	Interest on fixed capital	9309	20641		16278
13	Cost 'B1'(11+12)	147213	227727		196537
14	Interest on land value	201363	268655		242562
15	Cost 'B'(13+14)	348576	496382		439099
16	Imputed value of household labour	65839			25529
17	Cost 'C'(15+16)	414415	496382		464628

Percentage Distribution of “COST A” per hectare of Tomato (Summer) during 2021-22



In Tomato (Summer) cultivation male labour participation accounted as 9.81% of the total labour hours. Details are given below

Table 226: Percentage of hired human labour hours to total human labour hours.

Sex	Holding Size Class			
	Small	Medium	Large	All Sizes
Male	3.67	14		9.81
Female	15.95	50		58.5
Total	19.62	64		68.31

Table 227: Cost of Cultivation of Tomato (Summer) per hectare (in Rs) during 2020-21, 2021-22

Concept of Cost	Year	Holding Size Class			
		Small	Medium	Large	All Sizes
Cost 'A'	2020-2021	105522	161832		159132
	2021-2022	137904	207086		180259
Cost 'B'	2020-2021	215784	266228		263794
	2021-2022	348576	496382		439099
Cost 'C'	2020-2021	275417	276108		276059
	2021-2022	414415	496382		464628

Value of output**Table 227: Value of product and by-product per hectare (in Rs) of Tomato (Summer) during 2021-22**

Holding Size Class			
Small	Medium	Large	All Sizes
277660	331968		310910

Table 228: Area, Sample size and Average Area per holding of some crops during the year 2021-2022

Sl. No	Name of Crop	Sample Size	Area under the crop in the sample (ha)	Average Area Per holding (ha)
1	Paddy Autumn	442	317.31	0.72
2	Paddy Winter	504	426.87	0.85
3	Paddy Summer	506	800.63	1.58
4	Coconut	760	309.26	0.41
5	Arecanut	755	104.51	0.14
6	Tapioca	558	100.29	0.18
7	Banana	543	131.92	0.24
8	Pepper	548	46.02	0.08
9	Ginger	429	37.24	0.09
10	Turmeric	472	29.94	0.06
11	Pineapple	199	510.75	2.57
12	Bitter Gourd Autumn	245	29.11	0.12
13	Bitter Gourd Winter	248	23.15	0.09
14	Bitter Gourd Summer	226	16.39	0.07
15	Cowpea Autumn	250	22.96	0.09
16	Cowpea Winter	289	27.95	0.1
17	Cowpea Summer	308	25.15	0.08
18	Cardamom	39	25.43	0.65
19	Ash Gourd Autumn	87	9.02	0.1
20	Ash Gourd Winter	84	4.83	0.06
21	Ash Gourd Summer	113	5.28	0.05
22	Cucumber Autumn	128	12.26	0.1
23	Cucumber Winter	165	15.91	0.1
24	Cucumber Summer	202	15.49	0.08
25	Snake Gourd Autumn	211	20.65	0.1
26	Snake Gourd Winter	202	21.14	0.1
27	Snake Gourd Summer	217	16.47	0.08
28	Ladies Finger Autumn	136	8.73	0.06
29	Ladies Finger Winter	160	10.54	0.07
30	Ladies Finger Summer	161	10.76	0.07
31	Cabbage Autumn	10	1.76	0.18
32	Cabbage Winter	12	1.77	0.15
33	Cabbage Summer	12	0.64	0.05

34	Carrot Autumn	10	2.33	0.23
35	Carrot Winter	10	1.56	0.16
36	Carrot Summer	10	0.45	0.04
37	Potato Autumn	10	1.84	0.18
38	Potato Winter	10	1.36	0.14
39	Potato Summer			
40	Beans Autumn	10	3.14	0.31
41	Beans Winter	12	2	0.17
42	Beans Summer	11	1.14	0.1
43	Beetroot Autumn			
44	Beetroot Winter			
45	Beetroot Summer			
46	Garlic Autumn	10	1.68	0.17
47	Garlic Winter			
48	Garlic Summer			
49	Tomato Autumn	17	2.59	0.15
50	Tomato Winter	21	2.69	0.13
51	Tomato Summer	14	1.98	0.14

The Cost of Cultivation of Crops are calculated under three different cost concepts viz, Cost A, B and C respectively is shown in the table given below.

Table 229: Cost A, B And C Of Some Of Crops (Per Hectare) During The Year 2021-22

Sl.No	Name of Crop	Cost A ₹	Cost B ₹	Cost C ₹
1	Paddy Autumn	75430	376589	385946
2	Paddy Winter	82025	267742	275125
3	Paddy Summer	80802	257229	261921
4	Coconut	95758	672502	681915
5	Arecanut	137182	660362	679414
6	Tapioca	142547	672306	710999
7	Banana	241320	691752	742841
8	Pepper	95005	724060	750860
9	Ginger	209257	599235	636890
10	Turmeric	138264	595852	645199
11	Pineapple	250088	815196	823446
12	Bitter Gourd Autumn	153310	508329	572484
13	Bitter Gourd Winter	154286	507300	589238
14	Bitter Gourd Summer	163858	566274	647477
15	Cowpea Autumn	151478	623789	702430
16	Cowpea Winter	151090	558794	640934
17	Cowpea Summer	147202	585624	684528
18	Cardamom	223807	333573	373663
19	Ash Gourd Autumn	79141	388735	429122

20	Ash Gourd Winter	90859	500065	571844
21	Ash Gourd Summer	114748	510984	588372
22	Cucumber Autumn	102037	507567	561864
23	Cucumber Winter	95466	484949	545316
24	Cucumber Summer	103591	464436	525950
25	Snake Gourd Autumn	134465	548501	629064
26	Snake Gourd Winter	136578	527928	600680
27	Snake Gourd Summer	147236	573591	657549
28	Ladies Finger Autumn	97680	495472	561038
29	Ladies Finger Winter	96742	611216	675650
30	Ladies Finger Summer	124787	556429	632200
31	Cabbage Autumn	173234	251398	271385
32	Cabbage Winter	158311	271322	293005
33	Cabbage Summer	224093	315593	332151
34	Carrot Autumn	132954	207457	219743
35	Carrot Winter	191780	296098	296098
36	Carrot Summer	234869	339898	355269
37	Potato Autumn	150000	240951	251157
38	Potato Winter	180452	315890	319455
39	Potato Summer	-	-	-
40	Beans Autumn	126918	204364	208858
41	Beans Winter	158403	249881	257747
42	Beans Summer	175390	295067	301592
43	Beetroot Autumn	-	-	-
44	Beetroot Winter	-	-	-
45	Beetroot Summer	-	-	-
46	Garlic Autumn	251368	342897	357122
47	Garlic Winter	-	-	-
48	Garlic Summer	-	-	-
49	Tomato Autumn	130976	378724	412600
50	Tomato Winter	151040	426599	454476
51	Tomato Summer	180259	439099	464628

Cost of Cultivation study 2021-2022 revealed the three categories of cost including the components there on and also the value of output received per hectare by the cultivators. Table 230 given below shows the result.

Table 230: Cost of Cultivation per hectare (in Rs) some of crops during the year 2021-2022

Sl No	Components	Paddy			Coconut	Arecanut	Tapioca	Banana	Pepper	Ginger
		Autumn	Winter	Summer						
1	2	3	4	5	6	7	8	9	10	11
1	Hired human labour	31514	33556	30136	58475	78684	71636	81522	59748	80409
2	Animal labour	4		32						
3	Machine labour	10750	13153	11202	1208	2405	3011	2999		2154
4	Seed /seedlings	3526	3811	3893	408	258	9512	31819	1670	58662
5	Farmyard manure and chemical fertilizers	8438	9600	10008	22303	37271	29177	59453	18802	31875
6	Plant Protection	2860	2303	2330	3		509	4961	1468	1728
7	Land tax and irrigation cess	187	216	139	507	601	383	250	584	319
8	Repair and maintenance charges of implements, machinery and building	299	217	273	410	779	448	622	818	877
9	Interest on working capital	5709	6242	5760	8240	11862	11385	18075	8169	17483
10	Other expenses	12143	12927	17029	4204	5322	16486	41619	3746	15750
11	Total cost 'A' (1-10)	75430	82025	80802	95758	137182	142547	241320	95005	209257
12	Interest on fixed capital	1263	1281	1042	4323	9403	1680	4896	7346	2384
13	Cost 'B'(11+12)	76693	83306	81844	100081	146585	144227	246216	102351	211641
14	Interest on land value	299896	184436	175385	572421	513777	528079	445536	621709	387594
15	Cost 'B'(13+14)	376589	267742	257229	672502	660362	672306	691752	724060	599235
16	Inputed value of household labour	9357	7383	4692	9413	19052	38693	51089	26800	37655
17	Cost 'C'(15+16)	385946	275125	261921	681915	679414	710999	742841	750860	636890
18	Value of Output received (Rs. Ha)	111132	120113	111351	163550	390168	369376	626820	230770	452175

Contd....Table 230

Sl. No	Components	Turmeric	Pineapple	Bitter Gourd			Cowpea			Cardamom
				Autumn	Winter	Summer	Autumn	Winter	Summer	
12	13	14	15	16	17	18	19	20	21	22
1	Hired human labour	64911	69487	61568	54547	66784	57108	56885	59927	117030
2	Animal labour									
3	Machine labour	1397	6831	2528	1730	1982	1134	2270	816	
4	Seed /seedlings	24523	84865	7878	9481	10216	5460	6463	6991	649
5	Farmyard manure and chemical fertilizers	21913	27237	28259	29395	30446	29852	32085	30447	36352
6	Plant Protection	172	3549	4301	3606	3194	4459	9335	3636	16261
7	Land tax and irrigation cess	313	156	163	144	180	155	156	236	794
8	Repair and maintenance charges of implements, machinery and building	813	80	659	946	1109	920	1020	4075	549
9	Interest on working capital	11292	19197	10453	9876	11262	9801	10704	10182	17029
10	Other expenses	12930	38686	37501	44561	38685	42589	32172	30892	35143
11	Total cost 'A' (1-10)	138264	250088	153310	154286	163858	151478	151090	147202	223807
12	Interest on fixed capital	1888	462	5842	12151	7840	13588	10257	12561	4707
13	Cost 'B1'(11+12)	140152	250550	159152	166437	171698	165066	161347	159763	228514
14	Interest on land value	455700	564646	349177	340863	394576	458723	397447	425861	105059
15	Cost 'B'(13+14)	595852	815196	508329	507300	566274	623789	558794	585624	333573
16	Imputed value of household labour	49347	8250	64155	81938	81203	78641	82140	98904	40090
17	Cost 'C'(15+16)	645199	823446	572484	589238	647477	702430	640934	684528	373663
18	Value of Output received (Rs.Ha)	291072	420453	344280	402864	363851	345676	361985	348685	357523

Contd....Table 230

Sl. No	Components	Ash Gourd			Cucumber			Snake Gourd		
		Autumn	Winter	Summer	Autumn	Winter	Summer	Autumn	Winter	Summer
23	24	25	26	27	28	29	30	31	32	33
1	Hired human labour	34926	28554	33959	42020	36912	35616	47830	53719	48921
2	Animal labour									
3	Machine labour	239	3124	2562	1346	3224	3066	1287	1973	975
4	Seed /seedlings	4187	5741	7222	4809	5182	7557	5452	5655	6661
5	Farmyard manure and chemical fertilizers	17592	26104	29881	23333	24256	30482	29122	27554	28004
6	Plant Protection	1680	1427	1942	1808	1456	1780	2905	3863	3613
7	Land tax and irrigation cess	226	222	176	172	149	192	160	110	186
8	Repair and maintenance charges of implements, machinery and building	262	767	13271	442	553	778	1019	866	4614
9	Interest on working capital	5862	6495	7557	7332	7103	7850	8660	9276	8817
10	Other expenses	14167	18425	18178	20775	16631	16270	38030	33562	45445
11	Total cost 'A' (1-10)	79141	90859	114748	102037	95466	103591	134465	136578	147236
12	Interest on fixed capital	1280	23865	40596	1700	11299	15353	4107	5559	9309
13	Cost 'B1'(11+12)	80421	114724	155344	103737	106765	118944	138572	142137	156545
14	Interest on land value	308314	385341	355640	403830	378184	345492	409929	385791	417046
15	Cost 'B'(13+14)	388735	500065	510984	507567	484949	464436	548501	527928	573591
16	Inputed value of household labour	40387	71779	77388	54297	60367	61514	80563	72752	83958
17	Cost 'C'(15+16)	429122	571844	588372	561864	545316	525950	629064	600680	657549
18	Value of Output received(Rs.Ha)	187464	249781	308007	254016	215463	231026	315524	334716	300453

Contd....Table 230

Sl. No	Components	Ladies Finger			Cabbage			Carrot		
		Autumn	Winter	Summer	Autumn	Winter	Summer	Autumn	Winter	Summer
34	35	36	37	38	39	40	41	42	43	44
1	Hired human labour	34206	35059	37339	117850	108753	170493	90587	140270	176411
2	Animal labour									
3	Machine labour	2076	3026	3244						
4	Seed /seedlings	5757	5940	9454	22585	21890	23896	6701	8950	9196
5	Farmyard manure and chemical fertilizers	26536	28637	32595	10337	10621	6073	10475	20174	27308
6	Plant Protection	2897	2802	2811	5597	1630	1277	2774	564	490
7	Land tax and irrigation cess	169	185	181	121	136	135	66	111	124
8	Repair and maintenance charges of implements, machinery and building	1040	951	12522	823	397	157	558	160	
9	Interest on working capital	7147	7546	8544	15637	14289	20174	11054	16996	21340
10	Other expenses	17852	12596	18097	284	595	1888	10739	4555	
11	Total cost 'A' (1-10)	97680	96742	124787	173234	158311	224093	132954	191780	234869
12	Interest on fixed capital	28158	18952	24357	7659	1274	2989	5532	11907	3767
13	Cost 'B1'(11+12)	125838	115694	149144	180893	159585	227082	138486	203687	238636
14	Interest on land value	369634	495522	407285	70505	111737	88511	68971	92411	101262
15	Cost 'B'(13+14)	495472	611216	556429	251398	271322	315593	207457	296098	339898
16	Imputed value of household labour	65566	64434	75771	19987	21683	16558	12286		15371
17	Cost 'C'(15+16)	561038	675650	632200	271385	293005	332151	219743	296098	355269
18	Value of Output received (Rs.Ha)	270683	309132	305643	310255	283379	347885	261927	232324	289255

Contd....Table 230

Sl. No	Components	Potato		Beans			Garlic	Tomato		
		Autumn	Winter	Autumn	Winter	Summer	Autumn	Autumn	Winter	Summer
45	46	47	48	49	50	51	52	53	54	55
1	Hired human labour	86987	111635	59726	86871	105282	86658	30943	47319	49488
2	Animal labour									
3	Machine labour							9085	8355	11380
4	Seed /seedlings	29979	34251	41019	37384	43987	122191	11327	12959	14528
5	Farmyard manure and chemical fertilizers	17059	11677	7713	12606	8853	6395	47400	50948	68345
6	Plant Protection	869	134	1680	1218	1125	3711	3111	2807	2571
7	Land tax and irrigation cess	124	20	93	78	130	101	244	315	499
8	Repair and maintenance charges of implements, machinery and building	950	37	558	476	88	893	1096	988	141
9	Interest on working capital	13489	15770	11014	13808	15925	21896	10187	12239	14631
10	Other expenses	543	6928	5115	5962		9523	17583	15110	18676
11	Total cost 'A' (1-10)	150000	180452	126918	158403	175390	251368	130976	151040	180259
12	Interest on fixed capital	22554	19949	4537	13963	1965	24646	26160	22651	16278
13	Cost 'B'(11+12)	172554	200401	131455	172366	177355	276014	157136	173691	196537
14	Interest on land value	68397	115489	72909	77515	117712	66883	221588	252908	242562
15	Cost 'B'(13+14)	240951	315890	204364	249881	295067	342897	378724	426599	439099
16	Inputed value of household labour	10206	3565	4494	7866	6525	14225	33876	27877	25529
17	Cost 'C'(15+16)	251157	319455	208858	257747	301592	357122	412600	454476	464628
18	Value of Output received (Rs.Ha)	205488	230978	227591	256504	271893	383386	283385	260521	310910

The value of output including both main product and byproduct of each crop included in the survey during 2021-22 is shown below.

Table 231: Value of Output per hectare (in Rs) of some crops during the year 2021-2022

Sl.No	Name of Crop	Value of Output in Rs.
1	Paddy Autumn	111132
2	Paddy Winter	120113
3	Paddy Summer	111351
4	Coconut	163550
5	Arecanut	390168
6	Tapioca	369376
7	Banana	626819
8	Pepper	230770
9	Ginger	452175
10	Turmeric	291072
11	Pineapple	420453
12	Bitter Gourd Autumn	344280
13	Bitter Gourd Winter	402864
14	Bitter Gourd Summer	363851
15	Cowpea Autumn	345676
16	Cowpea Winter	361985
17	Cowpea Summer	348685
18	Cardamom	357523
19	Ash Gourd Autumn	187464
20	Ash Gourd Winter	249781
21	Ash Gourd Summer	187464
22	Cucumber Autumn	254016
23	Cucumber Winter	215463
24	Cucumber Summer	231026
25	Snake Gourd Autumn	315524
26	Snake Gourd Winter	334716
27	Snake Gourd Summer	300453
28	Ladies Finger Autumn	270683
29	Ladies Finger Winter	309132
30	Ladies Finger Summer	305643
31	Cabbage Autumn	310255

32	Cabbage Winter	283379
33	Cabbage Summer	347885
34	Carrot Autumn	261927
35	Carrot Winter	232324
36	Carrot Summer	289255
37	Potato Autumn	205488
38	Potato Winter	230978
39	Potato Summer	
40	Beans Autumn	227591
41	Beans Winter	256504
42	Beans Summer	271893
43	Beetroot Autumn	
44	Beetroot Winter	
45	Beetroot Summer	
46	Garlic Autumn	383386
47	Garlic Winter	
48	Garlic Summer	
49	Tomato Autumn	283385
50	Tomato Winter	260521
51	Tomato Summer	310910

ANNEXURE

A1.1 District wise Area and number of holding under Autumn Paddy during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	45	14.8	4.66	0.33
2	Kollam	50	19.53	6.15	0.39
3	Pathanamthitta	16	5	1.58	0.31
4	Alappuzha	46	56.51	17.81	1.23
5	Kottayam	30	51.55	16.25	1.72
6	Idukki	15	4.81	1.52	0.32
7	Ernakulam	42	18.17	5.73	0.43
8	Thrissur	45	48.21	15.19	1.07
9	Palakkad	18	15.75	4.96	0.88
10	Malappuram	45	51.17	16.13	1.14
11	Kozhikode	30	8.24	2.6	0.27
12	Wayanad				
13	Kannur	30	11.28	3.55	0.38
14	Kasaragod	30	12.28	3.87	0.41
	State	442	317.31	100	0.72

A1.2 District wise Area and number of holding under Winter Paddy during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	28	8.56	2.01	0.31
2	Kollam	60	25.68	6.02	0.43
3	Pathanamthitta	32	42.08	9.86	1.32
4	Alappuzha	72	89.62	20.99	1.24
5	Kottayam	31	28.33	6.64	0.91
6	Idukki	15	5.44	1.27	0.36
7	Ernakulam	41	32.88	7.7	0.8
8	Thrissur	45	50.13	11.74	1.11
9	Palakkad	30	18.34	4.3	0.61
10	Malappuram	45	59.2	13.87	1.32
11	Kozhikode	30	11.13	2.61	0.37
12	Wayanad	15	17.18	4.02	1.15
13	Kannur	30	11.65	2.73	0.39
14	Kasaragod	30	26.66	6.25	0.89
	State	504	426.87	100	0.85

A1.3. District wise Area and number of holding under Summer Paddy during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	38	13.4	1.52	0.35
2	Kollam	25	22.21	2.52	0.89
3	Pathanamthitta	60	224.94	28.1	3.75
4	Alappuzha	74	115.53	13.1	1.56
5	Kottayam	45	151.61	17.2	3.37
6	Idukki	15	3.02	0.34	0.2
7	Ernakulam	39	31.59	3.58	0.81
8	Thrissur	45	84.65	9.6	1.88
9	Palakkad	22	17.63	2	0.8
10	Malappuram	45	89.43	10.14	1.99
11	Kozhikode	30	13.38	1.52	0.45
12	Wayanad	15	2.71	0.31	0.18
13	Kannur	23	15.15	1.72	0.66
14	Kasaragod	30	15.38	1.74	0.51
	State	506	800.63	100	1.58

A1.4. District wise Area and number of holding under Coconut during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	60	12.71	4.11	0.21
2	Kollam	80	21.82	7.06	0.27
3	Pathanamthitta	80	21.12	6.83	0.26
4	Alappuzha	100	31.75	10.27	0.32
5	Kottayam	60	18.39	5.95	0.31
6	Idukki	20	6.81	2.2	0.34
7	Ernakulam	60	17.5	5.66	0.29
8	Thrissur	60	32.94	10.65	0.55
9	Palakkad	40	21.72	7.02	0.54
10	Malappuram	60	40.83	13.2	0.68
11	Kozhikode	40	35.74	11.56	0.89
12	Wayanad	20	6.75	2.18	0.34
13	Kannur	40	20.06	6.49	0.5
14	Kasaragod	40	21.1	6.82	0.53
	State	760	309.26	100	0.41

A1.5. District wise Area and number of holding under Aracanut during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	60	6.17	5.9	0.1
2	Kollam	80	2.42	2.32	0.03
3	Pathanamthitta	80	3.55	3.4	0.04
4	Alappuzha	95	3.31	3.17	0.03
5	Kottayam	60	3.34	3.2	0.06
6	Idukki	20	1.16	1.11	0.06
7	Ernakulam	60	5.51	5.27	0.09
8	Thrissur	60	7.64	7.31	0.13
9	Palakkad	40	9.32	8.92	0.23
10	Malappuram	60	21.56	20.63	0.36
11	Kozhikode	40	6.57	6.29	0.16
12	Wayanad	20	10.39	9.94	0.52
13	Kannur	40	7.82	7.48	0.2
14	Kasaragod	40	15.75	15.07	0.39
	State	755	104.51	100	0.14

A1.6. District wise Area and number of holding under Tapioca during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	45	7.85	7.83	0.17
2	Kollam	60	7.55	7.53	0.13
3	Pathanamthitta	60	12.47	12.43	0.21
4	Alappuzha	66	8.51	8.49	0.13
5	Kottayam	45	9.69	9.66	0.22
6	Idukki	15	1.66	1.66	0.11
7	Ernakulam	45	11.87	11.84	0.26
8	Thrissur	45	8.01	7.99	0.18
9	Palakkad	30	5.32	5.3	0.18
10	Malappuram	45	15.78	15.73	0.35
11	Kozhikode	30	3.74	3.73	0.12
12	Wayanad	15	3.28	3.27	0.22
13	Kannur	30	2.45	2.44	0.08
14	Kasaragod	27	2.11	2.1	0.08
	State	558	100.29	100	0.18

A1.7. District wise Area and number of holding under Banana during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	45	8.94	6.78	0.2
2	Kollam	60	10.2	7.73	0.17
3	Pathanamthitta	60	22.4	16.98	0.37
4	Alappuzha	48	4.6	3.49	0.1
5	Kottayam	45	10.13	7.68	0.23
6	Idukki	15	1.44	1.09	0.1
7	Ernakulam	45	13.73	10.41	0.31
8	Thrissur	45	12.75	9.66	0.28
9	Palakkad	30	10.91	8.27	0.36
10	Malappuram	45	20.47	15.52	0.45
11	Kozhikode	30	2.97	2.25	0.1
12	Wayanad	15	6.13	4.65	0.41
13	Kannur	30	4.39	3.33	0.15
14	Kasaragod	30	2.87	2.18	0.1
	State	543	131.92	100	0.24

A1.8. District wise Area and number of holding under Pepper during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	45	3.27	7.11	0.07
2	Kollam	60	2.9	6.3	0.05
3	Pathanamthitta	60	4.96	10.78	0.08
4	Alappuzha	53	1.69	3.67	0.03
5	Kottayam	45	4.72	10.26	0.1
6	Idukki	15	2.17	4.72	0.14
7	Ernakulam	45	2.79	6.06	0.06
8	Thrissur	45	2.27	4.93	0.05
9	Palakkad	30	3.67	7.97	0.12
10	Malappuram	45	7.85	17.06	0.17
11	Kozhikode	30	1.1	2.39	0.04
12	Wayanad	15	3.84	8.34	0.26
13	Kannur	30	2.21	4.8	0.07
14	Kasaragod	30	2.6	5.65	0.09
	State	548	46.02	100	0.08

A1.9. District wise Area and number of holding under Ginger during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	40	1.17	3.14	0.03
2	Kollam	60	2.7	7.25	0.05
3	Pathanamthitta	60	3.57	9.59	0.06
4	Alappuzha	16	0.53	1.42	0.03
5	Kottayam	40	1.97	5.29	0.05
6	Idukki	15	1.23	3.3	0.08
7	Ernakulam	36	2.53	6.79	0.07
8	Thrissur	45	2.87	7.71	0.06
9	Palakkad	23	9.35	25.11	0.41
10	Malappuram	25	1.46	3.92	0.06
11	Kozhikode	18	2.66	7.14	0.15
12	Wayanad	15	4.36	11.71	0.29
13	Kannur	24	2.14	5.75	0.09
14	Kasaragod	12	0.7	1.88	0.06
	State	429	37.24	100	0.09

A1.10. District wise Area and number of holding under Turmeric during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	40	1.39	4.64	0.03
2	Kollam	60	2.38	7.95	0.04
3	Pathanamthitta	60	3.06	10.22	0.05
4	Alappuzha	24	0.91	3.04	0.04
5	Kottayam	40	2.32	7.75	0.06
6	Idukki	15	0.64	2.14	0.04
7	Ernakulam	37	2.43	8.12	0.07
8	Thrissur	45	3.13	10.45	0.07
9	Palakkad	20	1.88	6.28	0.09
10	Malappuram	32	4.08	13.63	0.13
11	Kozhikode	30	3.6	12.02	0.12
12	Wayanad	15	0.76	2.54	0.05
13	Kannur	30	1.98	6.61	0.07
14	Kasaragod	24	1.36	4.54	0.06
	State	472	29.94	100	0.06

A1.11. District wise Area and number of holding under Pineapple during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	1	0.4	0.08	0.4
2	Kollam	26	3.3	0.65	0.13
3	Pathanamthitta	4	1.7	0.33	0.43
4	Alappuzha	13	0.64	0.13	0.05
5	Kottayam	45	96.76	18.94	2.15
6	Idukki	15	25	4.89	1.67
7	Ernakulam	32	48.58	9.51	1.52
8	Thrissur	29	176.17	34.49	6.07
9	Palakkad	3	32.79	6.42	10.93
10	Malappuram	2	5.63	1.1	2.82
11	Kozhikode	11	67.11	13.14	6.1
12	Wayanad				
13	Kannur	12	27.15	5.32	2.26
14	Kasaragod	6	25.51	4.99	4.25
	State	199	510.75	100	2.57

A1.12. District wise Area and number of holding under Bitter Gourd (Autumn) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	30	2.19	7.52	0.07
2	Kollam	35	1.19	4.09	0.03
3	Pathanamthitta	30	1.84	6.32	0.06
4	Alappuzha	22	1.38	4.74	0.06
5	Kottayam	30	3.89	13.36	0.13
6	Idukki				
7	Ernakulam	19	2.53	8.69	0.13
8	Thrissur	30	6.38	21.92	0.21
9	Palakkad	20	5.47	18.79	0.27
10	Malappuram	15	2.66	9.14	0.18
11	Kozhikode	3	0.16	0.55	0.05
12	Wayanad				
13	Kannur	11	1.42	4.88	0.13
14	Kasaragod				
	State	245	29.11	100	0.12

A1.13. District wise Area and number of holding under Bitter Gourd (Winter)
during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	30	1.44	6.22	0.05
2	Kollam	29	1.49	6.44	0.05
3	Pathanamthitta	31	1.74	7.52	0.06
4	Alappuzha	15	0.49	2.12	0.03
5	Kottayam	23	2.6	11.23	0.11
6	Idukki	8	1.66	7.17	0.21
7	Ernakulam	8	0.97	4.19	0.12
8	Thrissur	30	2.13	9.2	0.07
9	Palakkad	16	3.77	16.29	0.24
10	Malappuram	17	2.86	12.35	0.17
11	Kozhikode	10	1.47	6.35	0.15
12	Wayanad	3	0.16	0.69	0.05
13	Kannur	14	1.57	6.78	0.11
14	Kasaragod	14	0.82	3.54	0.06
	State	248	23.15	100	0.09

A1.14. District wise Area and number of holding under Bitter Gourd
(Summer) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	30	1.38	8.42	0.05
2	Kollam	30	1.36	8.3	0.05
3	Pathanamthitta	32	1.85	11.29	0.06
4	Alappuzha	32	1.74	10.62	0.05
5	Kottayam	9	0.93	5.67	0.1
6	Idukki	1	0.4	2.44	0.4
7	Ernakulam	18	1.74	10.62	0.1
8	Thrissur	30	3.73	22.76	0.12
9	Palakkad	5	0.99	6.04	0.2
10	Malappuram	6	0.3	1.83	0.05
11	Kozhikode	20	1.36	8.3	0.07
12	Wayanad	2	0.08	0.49	0.04
13	Kannur	7	0.3	1.83	0.04
14	Kasaragod	4	0.22	1.34	0.06
	State	226	16.39	100	0.07

A1.15. District wise Area and number of holding under Cowpea (Autumn)
during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	30	1.48	6.45	0.05
2	Kollam	35	1.32	5.75	0.04
3	Pathanamthitta	31	1.6	6.97	0.05
4	Alappuzha	25	1.28	5.57	0.05
5	Kottayam	30	5.34	23.26	0.18
6	Idukki				
7	Ernakulam	12	0.62	2.7	0.05
8	Thrissur	30	2.51	10.93	0.08
9	Palakkad	20	3.56	15.51	0.18
10	Malappuram	20	2.77	12.06	0.14
11	Kozhikode	6	0.99	4.31	0.17
12	Wayanad				
13	Kannur	11	1.48	6.45	0.13
14	Kasaragod				
	State	250	22.96	100	0.09

A1.16. District wise Area and number of holding under Cowpea (Winter) during
2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	30	1.81	6.48	0.06
2	Kollam	32	1.5	5.37	0.05
3	Pathanamthitta	36	1.85	6.62	0.05
4	Alappuzha	18	0.55	1.97	0.03
5	Kottayam	30	5.14	18.39	0.17
6	Idukki	10	1.9	6.8	0.19
7	Ernakulam	6	0.51	1.82	0.09
8	Thrissur	30	3.52	12.59	0.12
9	Palakkad	19	3.44	12.31	0.18
10	Malappuram	20	2.67	9.55	0.13
11	Kozhikode	11	0.51	1.82	0.05
12	Wayanad	7	0.69	2.47	0.1
13	Kannur	20	2.55	9.12	0.13
14	Kasaragod	20	1.3	4.65	0.07
	State	289	27.95	100	0.1

A1.17. District wise Area and number of holding under Cowpea (Summer)
during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	30	1.38	5.49	0.05
2	Kollam	29	1.69	6.72	0.06
3	Pathanamthitta	40	2.67	10.62	0.07
4	Alappuzha	44	2.47	9.82	0.06
5	Kottayam	30	5.41	21.51	0.18
6	Idukki	5	0.77	3.06	0.15
7	Ernakulam	15	0.92	3.66	0.06
8	Thrissur	30	3.17	12.6	0.11
9	Palakkad	5	0.57	2.27	0.11
10	Malappuram	20	2.55	10.14	0.13
11	Kozhikode	20	1.06	4.21	0.05
12	Wayanad	10	0.87	3.46	0.09
13	Kannur	10	0.62	2.47	0.06
14	Kasaragod	20	1	3.98	0.05
	State	308	25.15	100	0.08

A1.18. District wise Area and number of holding under Cardamom during
2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	15	7.67	30.16	0.51
2	Palakkad	9	11.44	44.99	1.27
3	Wayanad	15	6.32	24.85	0.42
	State	39	25.43	100	0.65

A1.19. District wise Area and number of holding under Ash Gourd (Autumn)
during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram				
2	Kollam	9	0.21	2.33	0.02
3	Pathanamthitta	6	0.16	1.77	0.03
4	Alappuzha	4	0.08	0.89	0.02
5	Kottayam	6	0.51	5.65	0.09
6	Idukki				
7	Ernakulam				
8	Thrissur	30	2.23	24.72	0.07
9	Palakkad	12	2.98	33.04	0.25
10	Malappuram	9	1.94	21.51	0.22
11	Kozhikode	2	0.1	1.11	0.05
12	Wayanad				
13	Kannur	9	0.8	8.87	0.09
14	Kasaragod				
	State	87	9.02	100	0.1

A1.20. District wise Area and number of holding under Ash Gourd (Winter)
during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram				
2	Kollam	2	0.04	0.83	0.02
3	Pathanamthitta	2	0.06	1.24	0.03
4	Alappuzha	2	0.04	0.83	0.02
5	Kottayam	4	0.24	4.97	0.06
6	Idukki	1	0.04	0.83	0.04
7	Ernakulam	1	0.04	0.83	0.04
8	Thrissur	30	1.5	31.06	0.05
9	Palakkad	5	0.36	7.45	0.07
10	Malappuram	8	0.79	16.36	0.1
11	Kozhikode	5	0.34	7.04	0.07
12	Wayanad	1	0.08	1.66	0.08
13	Kannur	7	0.39	8.07	0.06
14	Kasaragod	16	0.89	18.43	0.06
	State	84	4.83	100	0.06

A1.21. District wise Area and number of holding under Ash Gourd (Summer)
during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram				
2	Kollam	5	0.13	2.46	0.03
3	Pathanamthitta	4	0.11	2.08	0.03
4	Alappuzha	8	0.36	6.82	0.05
5	Kottayam	4	0.1	1.89	0.03
6	Idukki				
7	Ernakulam	1	0.02	0.38	0.02
8	Thrissur	30	1.45	27.46	0.05
9	Palakkad	1	0.16	3.03	0.16
10	Malappuram	19	1.3	24.62	0.07
11	Kozhikode	15	0.5	9.47	0.03
12	Wayanad	1	0.02	0.38	0.02
13	Kannur	9	0.54	10.23	0.06
14	Kasaragod	16	0.58	10.98	0.04
	State	113	5.28	100	0.05

A1.22. District wise Area and number of holding under Cucumber (Autumn)
during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	30	2.65	21.62	0.09
2	Kollam	2	0.08	0.65	0.04
3	Pathanamthitta	11	0.36	2.94	0.03
4	Alappuzha	8	0.89	7.26	0.11
5	Kottayam	19	1.88	15.33	0.1
6	Idukki				
7	Ernakulam	3	0.47	3.83	0.16
8	Thrissur	25	1.11	9.05	0.04
9	Palakkad	7	0.59	4.81	0.08
10	Malappuram	8	1.23	10.03	0.15
11	Kozhikode	2	0.08	0.65	0.04
12	Wayanad				
13	Kannur	13	2.91	23.74	0.22
14	Kasaragod				
	State	128	12.26	100	0.1

A1.23. District wise Area and number of holding under Cucumber (Winter)
during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	28	1.57	9.87	0.06
2	Kollam	4	0.1	0.63	0.03
3	Pathanamthitta	7	0.46	2.89	0.07
4	Alappuzha	4	0.16	1.01	0.04
5	Kottayam	23	2.64	16.59	0.11
6	Idukki	1	0.12	0.75	0.12
7	Ernakulam	5	0.79	4.97	0.16
8	Thrissur	30	1.82	11.44	0.06
9	Palakkad	6	0.43	2.7	0.07
10	Malappuram	14	3.25	20.43	0.23
11	Kozhikode	5	0.51	3.21	0.1
12	Wayanad	3	0.09	0.57	0.03
13	Kannur	15	1.83	11.5	0.12
14	Kasaragod	20	2.14	13.45	0.11
	State	165	15.91	100	0.1

A1.24. District wise Area and number of holding under Cucumber (Summer)
during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	30	1.56	10.07	0.05
2	Kollam	6	0.12	0.77	0.02
3	Pathanamthitta	13	0.68	4.39	0.05
4	Alappuzha	19	1.33	8.59	0.07
5	Kottayam	14	1.68	10.85	0.12
6	Idukki				
7	Ernakulam	11	1.17	7.55	0.11
8	Thrissur	30	1.15	7.42	0.04
9	Palakkad				
10	Malappuram	25	2.09	13.49	0.08
11	Kozhikode	20	0.58	3.74	0.03
12	Wayanad	2	0.1	0.65	0.05
13	Kannur	12	1.27	8.2	0.11
14	Kasaragod	20	3.77	24.34	0.19
	State	202	15.49	100	0.08

A1.25. District wise Area and number of holding under Snake Gourd (Autumn)
during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	30	2.39	11.57	0.08
2	Kollam	25	0.76	3.68	0.03
3	Pathanamthitta	32	1.75	8.47	0.05
4	Alappuzha	22	1.37	6.63	0.06
5	Kottayam	29	5.03	24.36	0.17
6	Idukki				
7	Ernakulam	13	1.16	5.62	0.09
8	Thrissur	27	3.63	17.58	0.13
9	Palakkad	11	1.82	8.81	0.17
10	Malappuram	11	1.04	5.04	0.09
11	Kozhikode	3	0.22	1.07	0.07
12	Wayanad				
13	Kannur	8	1.48	7.17	0.19
14	Kasaragod				
	State	211	20.65	100	0.1

A1.26. District wise Area and number of holding under Snake Gourd (Winter)
during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	30	1.52	7.19	0.05
2	Kollam	18	0.89	4.21	0.05
3	Pathanamthitta	37	1.88	8.89	0.05
4	Alappuzha	14	0.57	2.7	0.04
5	Kottayam	28	5.22	24.69	0.19
6	Idukki	3	0.41	1.94	0.14
7	Ernakulam	7	0.63	2.98	0.09
8	Thrissur	30	5.96	28.19	0.2
9	Palakkad	10	1.54	7.28	0.15
10	Malappuram	12	1.12	5.3	0.09
11	Kozhikode	4	0.16	0.76	0.04
12	Wayanad	1	0.02	0.09	0.02
13	Kannur	8	1.21	5.72	0.15
14	Kasaragod				
	State	202	21.14	100	0.1

A1.27. District wise Area and number of holding under Snake Gourd

(Summer) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	30	1.34	8.14	0.04
2	Kollam	14	0.72	4.37	0.05
3	Pathanamthitta	30	1.98	12.02	0.07
4	Alappuzha	41	2.69	16.33	0.07
5	Kottayam	30	4.17	25.32	0.14
6	Idukki	1	0.26	1.58	0.26
7	Ernakulam	15	1.68	10.2	0.11
8	Thrissur	30	2.09	12.69	0.07
9	Palakkad	3	0.49	2.98	0.16
10	Malappuram	10	0.51	3.1	0.05
11	Kozhikode	9	0.34	2.06	0.04
12	Wayanad				
13	Kannur	2	0.06	0.36	0.03
14	Kasaragod	2	0.15	0.91	0.08
	State	217	16.47	100	0.08

A1.28. District wise Area and number of holding under Ladies Finger

(Autumn) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	21	0.77	8.82	0.04
2	Kollam	12	0.3	3.44	0.03
3	Pathanamthitta	6	0.24	2.75	0.04
4	Alappuzha	4	0.24	2.75	0.06
5	Kottayam	8	0.59	6.76	0.07
6	Idukki				
7	Ernakulam	6	0.3	3.44	0.05
8	Thrissur	30	1.53	17.53	0.05
9	Palakkad	20	2.09	23.94	0.1
10	Malappuram	13	1.85	21.19	0.14
11	Kozhikode	6	0.19	2.18	0.03
12	Wayanad				
13	Kannur	10	0.64	7.33	0.06
14	Kasaragod				
	State	136	8.73	100	0.06

A1.29. District wise Area and number of holding under Ladies

Finger(Winter) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	20	0.58	5.5	0.03
2	Kollam	6	0.19	1.8	0.03
3	Pathanamthitta	6	0.17	1.61	0.03
4	Alappuzha	8	0.35	3.32	0.04
5	Kottayam	9	0.79	7.5	0.09
6	Idukki				
7	Ernakulam	8	0.26	2.47	0.03
8	Thrissur	30	1.89	17.93	0.06
9	Palakkad	20	2.81	26.66	0.14
10	Malappuram	15	1.6	15.18	0.11
11	Kozhikode	11	0.75	7.12	0.07
12	Wayanad	1	0.04	0.38	0.04
13	Kannur	9	0.43	4.08	0.05
14	Kasaragod	17	0.68	6.45	0.04
	State	160	10.54	100	0.07

A1.30. District wise Area and number of holding under Ladies Finger (Summer) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Thiruvananthapuram	13	0.36	3.35	0.03
2	Kollam	6	0.13	1.21	0.02
3	Pathanamthitta	3	0.06	0.56	0.02
4	Alappuzha	17	0.86	7.99	0.05
5	Kottayam	10	0.7	6.51	0.07
6	Idukki	2	0.32	2.97	0.16
7	Ernakulam	12	0.4	3.72	0.03
8	Thrissur	30	2.64	24.54	0.09
9	Palakkad	1	0.08	0.74	0.08
10	Malappuram	20	1.67	15.52	0.08
11	Kozhikode	20	0.96	8.92	0.05
12	Wayanad				
13	Kannur	7	0.49	4.55	0.07
14	Kasaragod	20	2.08	19.33	0.1
	State	161	10.76	100	0.07

A1.31. District wise Area and number of holding under Cabbage (Autumn)

during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	10	1.76	100	0.18
	State	10	1.76	100	0.18

A1.32. District wise Area and number of holding under Cabbage (Winter)

during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	10	1.7	96.05	0.17
2	Wayanad	2	0.06	3.39	0.03
	State	12	1.77	100	0.15

A1.33. District wise Area and number of holding under Cabbage (Summer)

during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	10	0.6	93.75	0.06
2	Wayanad	2	0.04	6.25	0.02
	State	12	0.64	100	0.05

A1.34. District wise Area and number of holding under Carrot (Autumn)

during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	10	2.33	100	0.23
	State	10	2.33	100	0.23

A1.35. District wise Area and number of holding under Carrot (Winter) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	10	1.56	100	0.16
	State	10	1.56	100	0.16

A1.36. District wise Area and number of holding under Carrot (Summer) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	10	0.45	100	0.04
	State	10	0.45	100	0.04

A1.37. District wise Area and number of holding under Potato (Autumn) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	10	1.84	100	0.18
	State	10	1.84	100	0.18

A1.38. District wise Area and number of holding under Potato (Winter) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	10	1.36	100	0.14
	State	10	1.36	100	0.14

A1.39. District wise Area and number of holding under Beans(Autumn) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	10	3.14	100	0.31
	State	10	3.14	100	0.31

A1.40. District wise Area and number of holding under Beans (Winter) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	10	1.85	92.5	0.19
2	Wayanad	2	0.14	7	0.07
	State	12	2	100	0.17

A1.41. District wise Area and number of holding under Beans (Summer) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	10	1.12	98.25	0.11
2	Wayanad	1	0.02	1.75	0.02
	State	11	1.14	100	0.1

A1.42. District wise Area and number of holding under Garlic (Autumn) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Idukki	10	1.68	100	0.17
	State	10	1.68	100	0.17

A1.43. District wise Area and number of holding under Tomato (Autumn) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Pathanamthitta	2	0.06	2.32	0.03
2	Palakkad	15	2.53	97.68	0.17
	State	17	2.59	100	0.15

A1.44. District wise Area and number of holding under Tomato (Winter) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Pathanamthitta	1	0.02	0.74	0.02
2	Palakkad	15	2.53	94.05	0.17
3	Kozhikode	1	0.02	0.74	0.02
4	Wayanad	4	0.12	4.46	0.03
	State	21	2.69	100	0.13

A1.45. District wise Area and number of holding under Tomato (Summer) during 2021-22

Sl. No	District	Sample Size	Area under the crop in the sample (ha)	percentage Area	Average Area per holding (ha)
1	Palakkad	10	1.9	95.96	0.19
2	Kozhikode	1	0.02	1.01	0.02
3	Wayanad	3	0.06	3.03	0.02
	State	14	1.98	100	0.14

2.1 District wise Cost of Cultivation per hectare (in Rs) of Autumn Paddy during 2021-22

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	54957	57141	50313	36863	26603
2	Animal labour					
3	Machine labour	17664			10593	
4	Seed /seedlings	2873	3244	3952	4674	3248
5	Farmyard manure and chemical fertilizers	6387	10661	14305	6647	4084
6	Plant Protection	566	319	579	5100	7485
7	Land tax and irrigation cess	21	259		340	298
8	Repair and maintenance charges of implements, machinery and building	345	526	300		36
9	Interest on working capital	8245	7136	6915	6388	4142
10	Other expenses	8405	13566	23046	16922	16462
11	Total cost 'A'(1-10)	99462	92851	99410	87527	62358
12	Interest on fixed capital	643	329	3588	93	117
13	Cost 'B1'(11+12)	100105	93181	102998	87620	62475
14	Interest on land value	602868	52036	92584	342363	400110
15	Cost 'B'(13+14)	702973	145216	195582	429983	462586
16	Imputed value of household labour	22241	13220	10003	4069	17597
17	Cost 'C'(15+16)	725214	158436	205584	434052	480182

A2.1 District wise Cost of Cultivation per hectare (in Rs) of Autumn Paddy during 2021-22

Sl.No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	40911	33615	15682	17544	26303
2	Animal labour					23
3	Machine labour	10219	13016	16951	12933	18064
4	Seed /seedlings	3791	2340	3783	3677	3235
5	Farmyard manure and chemical fertilizers	7762	5823	10708	12495	9416
6	Plant Protection	1393	1759	1465	2857	1147
7	Land tax and irrigation cess	93	104	115	158	47
8	Repair and maintenance charges of implements, machinery and building	208	151	4		1291
9	Interest on working capital	6424	5655	4859	4951	5819
10	Other expenses	2433	9709	9350	2983	11717
11	Total cost 'A'(1-10)	73401	72173	62918	57598	77061
12	Interest on fixed capital	784	280	71	14597	1560
13	Cost 'B1'(11+12)	74185	72453	62988	72194	78621
14	Interest on land value	952694	218829	370975	163960	171476
15	Cost 'B'(13+14)	1026878	291282	433963	236154	250097
16	Imputed value of household labour	3447	6911	7453	3711	3769
17	Cost 'C'(15+16))	1030325	298193	441416	239866	253866

A2.1 District wise Cost of Cultivation per hectare (in Rs) of Autumn Paddy
during 2021-22

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	32713		37610	39448	31514
2	Animal labour					4
3	Machine labour			12334	14725	10750
4	Seed /seedlings	4204		2886	2260	3526
5	Farmyard manure and chemical fertilizers	9046		10250	15372	8438
6	Plant Protection	22		39	190	2860
7	Land tax and irrigation cess	214		311	96	187
8	Repair and maintenance charges of implements, machinery and building	348		29	242	299
9	Interest on working capital	4599		6312	7200	5709
10	Other expenses	25071		3467	1014	12143
11	Total cost 'A'(1-10)	76217		73238	80547	75430
12	Interest on fixed capital	344		1705	942	1263
13	Cost 'B1'(11+12)	76562		74942	81488	76693
14	Interest on land value	230936		237271	195710	299896
15	Cost 'B'(13+14)	307498		312213	277199	376589
16	Imputed value of household labour	7101		11514	20564	9357
17	Cost 'C'(15+16))	314599		323727	297762	385946

A2.2 District wise Cost of Cultivation per hectare (in Rs) of Winter Paddy during 2021-22

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	55598	63233	27436	28595	26937
2	Animal labour					
3	Machine labour	5379		17011	12425	
4	Seed /seedlings	3099	5179	4255	3882	3428
5	Farmyard manure and chemical fertilizers	8224	10818	9001	8309	4861
6	Plant Protection	480	656	1146	4328	8688
7	Land tax and irrigation cess	124	338		402	83
8	Repair and maintenance charges of implements, machinery and building	149	1241	266		77
9	Interest on working capital	7278	7989	5885	5754	4391
10	Other expenses	23143	12785	9305	12714	16958
11	Total cost 'A'(1-10)	103474	102239	74304	76408	65424
12	Interest on fixed capital	690	996	1993	1286	198
13	Cost 'B1'(11+12)	104164	103235	76296	77694	65623
14	Interest on land value	279124	50129	103332	94741	136168
15	Cost 'B'(13+14)	383288	153364	179628	172435	201790
16	Imputed value of household labour	25325	8871	5985	3788	21274
17	Cost 'C'(15+16))	408613	162235	185613	176223	223064

A2.2 District wise Cost of Cultivation per hectare (in Rs) of Winter Paddy
during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	38676	27351	17630	33805	38498
2	Animal labour					
3	Machine labour	14206	14827	22947	16850	17305
4	Seed /seedlings	4057	2677	3449	3324	4983
5	Farmyard manure and chemical fertilizers	7933	7175	10040	10826	12404
6	Plant Protection	948	1592	1663	2734	1274
7	Land tax and irrigation cess	112	74	316	243	67
8	Repair and maintenance charges of implements, machinery and building	943	337	21		37
9	Interest on working capital	6582	5362	5573	6754	7446
10	Other expenses	4787	13264	13413	8065	14821
11	Total cost 'A'(1-10)	78245	72660	75053	82602	96833
12	Interest on fixed capital	845	505	295	7049	893
13	Cost 'B1'(11+12)	79090	73166	75348	89652	97726
14	Interest on land value	508909	253873	291492	155668	202382
15	Cost 'B'(13+14)	587998	327039	366840	245320	300108
16	Imputed value of household labour	2544	3085	5759	4065	3466
17	Cost 'C'(15+16))	590542	330124	372599	249385	303574

A2.2 District wise Cost of Cultivation per hectare (in Rs) of Winter Paddy
during 2021-22

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	35039	48960	52268	37952	33556
2	Animal labour					-
3	Machine labour			12749	20337	13153
4	Seed /seedlings	3979	4411	2578	2028	3811
5	Farmyard manure and chemical fertilizers	6149	20201	10945	8651	9600
6	Plant Protection	18	385	12	253	2303
7	Land tax and irrigation cess	358	426	343	50	216
8	Repair and maintenance charges of implements, machinery and building	302	904	19	291	217
9	Interest on working capital	4525	7396	7855	6922	12927
10	Other expenses	15927	28322	3957	4146	6242
11	Total cost 'A'(1-10)	66362	111005	90727	80629	82025
12	Interest on fixed capital	217	438	1912	2254	1281
13	Cost 'B1'(11+12)	66578	111444	92640	82883	83306
14	Interest on land value	272567	87133	293806	369178	184436
15	Cost 'B'(13+14)	339145	198576	386446	452061	267742
16	Imputed value of household labour	5710	12084	16549	13684	7383
17	Cost 'C'(15+16))	344855	210660	402995	465746	275125

A2.3 District wise Cost of Cultivation per hectare (in Rs) of SummerPaddy
during 2021-22

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	37316	58681	28601	26006	29126
2	Animal labour				224	
3	Machine labour	14489		10286	15199	
4	Seed /seedlings	2843	3109	4305	4233	4736
5	Farmyard manure and chemical fertilizers	6662	10188	9582	10665	7577
6	Plant Protection	432	1041	1407	3793	4403
7	Land tax and irrigation cess	348	213	4	459	119
8	Repair and maintenance charges of implements, machinery and building	15	498	173		148
9	Interest on working capital	6174	7302	5418	6012	4584
10	Other expenses	11754	14529	17396	12121	20937
11	Total cost 'A'(1-10)	80034	95561	77172	78712	71631
12	Interest on fixed capital	391	235	1006	198	73
13	Cost 'B1'(11+12)	80425	95796	78178	78910	71704
14	Interest on land value	586977	35802	104957	92447	241173
15	Cost 'B'(13+14)	667402	131598	183135	171357	312877
16	Imputed value of household labour	18021	5729	3578	3853	5080
17	Cost 'C'(15+16)	685422	137327	186712	175210	317957

A2.3 District wise Cost of Cultivation per hectare (in Rs) of Summer Paddy
during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	33759	31729	24024	24575	32175
2	Animal labour					
3	Machine labour	20925	11936	19336	13813	20574
4	Seed /seedlings	2843	2342	3605	3573	2768
5	Farmyard manure and chemical fertilizers	5707	5708	13646	8557	12909
6	Plant Protection	262	1901	1714	3336	1619
7	Land tax and irrigation cess	96	45	196	181	30
8	Repair and maintenance charges of implements, machinery and building	33	57	9		1497
9	Interest on working capital	6350	5362	6233	5386	7005
10	Other expenses	6920	22256	18628	3302	19912
11	Total cost 'A'(1-10)	76895	81336	87390	62724	98489
12	Interest on fixed capital	318	365	162	17152	1295
13	Cost 'B1'(11+12)	77213	81701	87553	79876	99783
14	Interest on land value	404374	267674	271319	262995	105942
15	Cost 'B'(13+14)	481587	349374	358871	342871	205726
16	Imputed value of household labour	960	2493	3386	4222	3222
17	Cost 'C'(15+16))	482547	351867	362257	347093	208948

A2.3 District wise Cost of Cultivation per hectare (in Rs) of Summer Paddy
during 2021-22

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	35880	77174	52248	35174	30136
2	Animal labour					32
3	Machine labour			18878	16823	11202
4	Seed /seedlings	3527	5284	2446	2429	3893
5	Farmyard manure and chemical fertilizers	7743	12341	10129	13805	10008
6	Plant Protection	115	394	2	139	2330
7	Land tax and irrigation cess	166	562	78	55	139
8	Repair and maintenance charges of implements, machinery and building	299	1888	8	20	273
9	Interest on working capital	4726	9519	8370	6837	5760
10	Other expenses	21143	21286	10688	1547	17029
11	Total cost 'A'(1-10)	73599	128449	102848	76827	80802
12	Interest on fixed capital	3221	1393	548	4142	1042
13	Cost 'B1'(11+12)	76820	129842	103397	80970	81844
14	Interest on land value	461291	124781	99969	398258	175385
15	Cost 'B'(13+14)	538111	254623	203366	479228	257229
16	Imputed value of household labour	9613	46921	9518	15390	4692
17	Cost 'C'(15+16))	547724	301544	212884	494618	261921

**A2.4 District wise Cost of Cultivation per hectare (in Rs) of Coconut during
2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	60298	36406	56639	64387	38782
2	Animal labour					
3	Machine labour	9065				
4	Seed /seedlings	118		315	181	4488
5	Farmyard manure and chemical fertilizers	12438	17667	11652	9713	23736
6	Plant Protection					
7	Land tax and irrigation cess	707	415	274	501	421
8	Repair and maintenance charges of implements, machinery and building	138	844	655	43	617
9	Interest on working capital	8192	5407	6861	7428	6701
10	Other expenses	3885	834	2966	7606	8457
11	Total cost 'A'(1-10)	94840	61573	79362	89858	83201
12	Interest on fixed capital	610	392	625	288	190
13	Cost 'B1'(11+12)	95450	61965	79988	90146	83391
14	Interest on land value	1873948	94153	301404	816493	779868
15	Cost 'B'(13+14)	1969397	156118	381392	906639	863259
16	Imputed value of household labour	18422	9947	8025	9614	16827
17	Cost 'C'(15+16)	1987819	166065	389416	916252	880087

A2.4 District wise Cost of Cultivation per hectare (in Rs) of Coconut
during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	36690	59312	64939	34279	79307
2	Animal labour					
3	Machine labour			638	2904	1356
4	Seed /seedlings			805		80
5	Farmyard manure and chemical fertilizers	9278	15780	16124	22075	40270
6	Plant Protection					23
7	Land tax and irrigation cess	124	273	782	671	785
8	Repair and maintenance charges of implements, machinery and building		68	6	691	896
9	Interest on working capital	4597	7509	8251	5926	12104
10	Other expenses	2709	3318	3154	6669	5577
11	Total cost 'A'(1-10)	53398	86260	94698	73214	140397
12	Interest on fixed capital	592	872	2472	18293	8695
13	Cost 'B'(11+12)	53990	87132	97170	91507	149092
14	Interest on land value	903162	1375971	601181	284769	480452
15	Cost 'B'(13+14)	957152	1463103	698351	376276	629544
16	Imputed value of household labour		6480	14325	3656	6644
17	Cost 'C'(15+16))	957152	1469583	712675	379932	636188

**A2.4 District wise Cost of Cultivation per hectare (in Rs) of Coconut during
2021-22**

Sl.No	Components	Kozhikode	Wayanad	Kannur	Kasaragod	State
1	Hired human labour	49692	48049	80873	68052	58475
2	Animal labour					
3	Machine labour				5641	1208
4	Seed /seedlings					408
5	Farmyard manure and chemical fertilizers	25003	19735	30124	34930	22303
6	Plant Protection					3
7	Land tax and irrigation cess	414	493	379	268	507
8	Repair and maintenance charges of implements, machinery and building	38	1436	15	746	410
9	Interest on working capital	7469	6778	11100	10862	8240
10	Other expenses	992	1895	5839	2588	4204
11	Total cost 'A'(1-10)	83607	78386	128329	123088	95758
12	Interest on fixed capital	274	1193	3964	16324	4323
13	Cost 'B1'(11+12)	83881	79580	132294	139412	100081
14	Interest on land value	380446	230059	335789	322059	572421
15	Cost 'B'(13+14)	464327	309639	468083	461470	672502
16	Imputed value of household labour	3968	15500	9276	14557	9413
17	Cost 'C'(15+16)	468295	325139	477359	476028	681915

**A2.5 District wise Cost of Cultivation per hectare (in Rs) of Arecanut
during 2021-22**

Sl.No	Components	Thiruvanantha puram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	39563	48068	54956	35214	48213
2	Animal labour					
3	Machine labour	2043				
4	Seed /seedlings			267		968
5	Farmyard manure and chemical fertilizers	15972	16887	10357	15107	12985
6	Plant Protection					
7	Land tax and irrigation cess	882	499	201	543	472
8	Repair and maintenance charges of implements, machinery and building	251	3951	2318		1933
9	Interest on working capital	5758	6496	6558	5032	6217
10	Other expenses	2630	1692	3446	3053	5756
11	Total cost 'A'(1-10)	67100	77593	78105	58950	76545
12	Interest on fixed capital	1056	1622	4449	1541	586
13	Cost 'B'(11+12)	68156	79215	82554	60491	77131
14	Interest on land value	954500	68984	278457	683749	767094
15	Cost 'B'(13+14)	1022656	148199	361011	744240	844225
16	Imputed value of household labour	19788	12304	20649	35011	20497
17	Cost 'C'(15+16))	1042444	160503	381660	779250	864721

A2.5 District wise Cost of Cultivation per hectare (in Rs) of Arecanut during 2021-22

Sl.No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	37309	157231	99681	50462	76116
2	Animal labour					
3	Machine labour			503		2295
4	Seed /seedlings			1223		622
5	Farmyard manure and chemical fertilizers	4858	21931	31556	99197	25880
6	Plant Protection					
7	Land tax and irrigation cess	119	340	581	831	790
8	Repair and maintenance charges of implements, machinery and building	1900	150	430	161	1081
9	Interest on working capital	4217	17916	13296	14966	10491
10	Other expenses	864	13404	4332	4885	7312
11	Total cost 'A'(1-10)	49266	210972	151603	170501	124587
12	Interest on fixed capital	2940	3087	10748	17243	12765
13	Cost 'B1'(11+12)	52206	214058	162351	187744	137352
14	Interest on land value	510089	1047099	731607	310522	475022
15	Cost 'B'(13+14)	562295	1261157	893958	498266	612374
16	Imputed value of household labour		23373	36292	12004	8809
17	Cost 'C'(15+16))	562295	1284530	930250	510270	621183

A2.5 District wise Cost of Cultivation per hectare (in Rs) of Arecanut
during 2021-22

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	74254	56721	108040	106987	78684
2	Animal labour					
3	Machine labour				11770	2405
4	Seed /seedlings					258
5	Farmyard manure and chemical fertilizers	36819	8287	34179	74914	37271
6	Plant Protection					
7	Land tax and irrigation cess	294	832	545	382	601
8	Repair and maintenance charges of implements, machinery and building	183	632	27	1051	779
9	Interest on working capital	11107	6501	14222	19367	11862
10	Other expenses	6167		9107	4533	5322
11	Total cost 'A'(1-10)	128824	72973	166120	219004	137182
12	Interest on fixed capital	332	539	5431	22905	9403
13	Cost 'B1'(11+12)	129156	73512	171551	241909	146585
14	Interest on land value	404539	245295	521012	473731	513777
15	Cost 'B'(13+14)	533695	318808	692562	715640	660362
16	Imputed value of household labour	11294	8519	27972	31262	19052
17	Cost 'C'(15+16))	544990	327327	720534	746901	679414

A2.6 District wise Cost of Cultivation per hectare (in Rs) of Tapioca during 2021-22

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	93343	67678	76834	56755	65630
2	Animal labour					
3	Machine labour	7567		641	5053	
4	Seed /seedlings	3773	3675	9581	16566	3931
5	Farmyard manure and chemical fertilizers	22754	21240	46115	70211	24271
6	Plant Protection	221		401	955	
7	Land tax and irrigation cess	617	698	901	309	162
8	Repair and maintenance charges of implements, machinery and building	153	1371	1091	555	357
9	Interest on working capital	12766	9259	13357	14954	9383
10	Other expenses	13411	3359	19096	17189	13430
11	Total cost 'A'(1-10)	154605	107280	168018	182545	117164
12	Interest on fixed capital	742	774	891	1864	388
13	Cost 'B1'(11+12)	155347	108055	168908	184409	117552
14	Interest on land value	1205492	77416	392022	465704	855157
15	Cost 'B'(13+14)	1360839	185470	560930	650114	972709
16	Imputed value of household labour	50036	23028	40023	61717	45199
17	Cost 'C'(15+16))	1410875	208498	600953	711831	1017909

A2.6 District wise Cost of Cultivation per hectare (in Rs) of Tapioca during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	75534	102310	49169	32500	75133
2	Animal labour					
3	Machine labour		4448	2398	7868	4284
4	Seed /seedlings		18161	12141	14670	4994
5	Farmyard manure and chemical fertilizers	2355	16672	17968	29374	29077
6	Plant Protection		514	495	3490	298
7	Land tax and irrigation cess	61	218	275	529	60
8	Repair and maintenance charges of implements, machinery and building	513	13	11	723	116
9	Interest on working capital	7789	14210	8217	8790	11379
10	Other expenses	13467	33686	14185	9819	19217
11	Total cost 'A'(1-10)	99720	190232	104857	107763	144558
12	Interest on fixed capital	1087	181	1055	5303	4706
13	Cost 'B1'(11+12)	100807	190413	105912	113066	149264
14	Interest on land value	455064	1117612	468421	233714	224127
15	Cost 'B'(13+14)	555871	1308025	574333	346780	373391
16	Imputed value of household labour		17917	51537	27189	26575
17	Cost 'C'(15+16)	555871	1325942	625871	373968	399966

**A2.6 District wise Cost of Cultivation per hectare (in Rs) of Tapioca during
2021-22**

Sl.No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	55001	74924	101470	33926	71636
2	Animal labour					
3	Machine labour			2863	1434	3011
4	Seed /seedlings	10532	2018	26199	8596	9512
5	Farmyard manure and chemical fertilizers	18712	5870	32340	23660	29177
6	Plant Protection	54			1268	509
7	Land tax and irrigation cess	183	752	340	99	383
8	Repair and maintenance charges of implements, machinery and building	257	1053	147		448
9	Interest on working capital	8430	8281	16287	6888	11385
10	Other expenses	17338	3817	15274	979	16486
11	Total cost 'A'(1-10)	110506	96716	194921	76851	142547
12	Interest on fixed capital	451	1198	761	1745	1680
13	Cost 'B1'(11+12)	110956	97914	195681	78596	144227
14	Interest on land value	337373	147646	378945	258167	528079
15	Cost 'B'(13+14)	448330	245560	574626	336763	672306
16	Imputed value of household labour	37182	53708	66907	86758	38693
17	Cost 'C'(15+16)	485512	299268	641533	423521	710999

**A2.7 District wise Cost of Cultivation per hectare (in Rs) of Banana during
2021-22**

Sl No	Components	Thiruvanantha puram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	116336	98404	85298	85847	67310
2	Animal labour					
3	Machine labour	5940		3349	3800	
4	Seed /seedlings	23187	30600	29157	24633	24892
5	Farmyard manure and chemical fertilizers	40311	48128	48494	58114	49686
6	Plant Protection		2773	8511	4364	17136
7	Land tax and irrigation cess	400	306	67	469	342
8	Repair and maintenance charges of implements, machinery and building	201	1784	793	587	485
9	Interest on working capital	18577	17991	17481	17676	15902
10	Other expenses	25751	27948	39228	27896	13838
11	Total cost 'A'(1-10)	230703	227933	232376	223384	189591
12	Interest on fixed capital	614	862	4054	2672	553
13	Cost 'B1'(11+12)	231317	228795	236431	226056	190143
14	Interest on land value	1117602	58295	235014	475468	844847
15	Cost 'B'(13+14)	1348919	287090	471445	701525	1034990
16	Imputed value of household labour	72881	23521	56227	95322	63464
17	Cost 'C'(15+16))	1421800	310611	527672	796847	1098455

A2.7 District wise Cost of Cultivation per hectare (in Rs) of Banana during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	64775	89660	60952	59885	86180
2	Animal labour					
3	Machine labour		1064	8789		3841
4	Seed /seedlings	56737	20643	43267	25035	32203
5	Farmyard manure and chemical fertilizers	10360	26330	57477	112536	94482
6	Plant Protection	3091	1286	2857	939	1977
7	Land tax and irrigation cess	112	188	286	660	12
8	Repair and maintenance charges of implements, machinery and building	313	101	14	422	759
9	Interest on working capital	13496	13898	17334	19839	21877
10	Other expenses	11028	28748	82407	16809	89127
11	Total cost 'A' (1-10)	159913	181917	273382	236125	330540
12	Interest on fixed capital	809	971	2631	10174	3765
13	Cost 'B1'(11+12)	160722	182888	276013	246299	334305
14	Interest on land value	494190	1059961	518532	279345	184696
15	Cost 'B'(13+14)	654912	1242850	794545	525644	519001
16	Imputed value of household labour	7013	17579	53530	23886	42399
17	Cost 'C'(15+16)	661925	1260429	848075	549529	561400

**A2.7 District wise Cost of Cultivation per hectare (in Rs) of Banana during
2021-22**

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	77090	70322	84739	60357	81522
2	Animal labour					
3	Machine labour			9114	1670	2999
4	Seed /seedlings	55126	64383	38800	28565	31819
5	Farmyard manure and chemical fertilizers	79175	22491	64840	71986	59453
6	Plant Protection	17549	3850		19831	4961
7	Land tax and irrigation cess	109	527	300	142	250
8	Repair and maintenance charges of implements, machinery and building	458	1247	77	1806	622
9	Interest on working capital	22894	16104	19749	18241	18075
10	Other expenses	39904	14510	27685	10590	41619
11	Total cost 'A'(1-10)	292304	193434	245304	213187	241320
12	Interest on fixed capital	864	1945	13026	74941	4896
13	Cost 'B1'(11+12)	293168	195379	258330	288127	246216
14	Interest on land value	222352	98168	325067	276403	445536
15	Cost 'B'(13+14)	515520	293547	583397	564531	691752
16	Imputed value of household labour	68088	87738	62291	149626	51089
17	Cost 'C'(15+16))	583608	381285	645688	714157	742841

**A2.8 District wise Cost of Cultivation per hectare (in Rs) of Pepper during
2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	53846	72699	62512	42366	65842
2	Animal labour					
3	Machine labour					
4	Seed /seedlings			893	213	519
5	Farmyard manure and chemical fertilizers	13034	16337	11872	40175	22055
6	Plant Protection				1833	542
7	Land tax and irrigation cess	784	478	207	610	608
8	Repair and maintenance charges of implements, machinery and building	245	3691	1157	178	940
9	Interest on working capital	6700	8904	7528	8459	8896
10	Other expenses	2415	2501	5537	6267	6678
11	Total cost 'A'(1-10)	77144	104609	89706	100101	106080
12	Interest on fixed capital	1504	1835	890	5743	564
13	Cost 'B1'(11+12)	78648	106443	90596	105844	106644
14	Interest on land value	1554391	196368	307615	961567	1133316
15	Cost 'B'(13+14)	1633038	302812	398211	1067411	1239960
16	Imputed value of household labour	31593	32134	25229	68473	30767
17	Cost 'C'(15+16)	1664632	334946	423440	1135884	1270727

A2.8 District wise Cost of Cultivation per hectare (in Rs) of Pepper during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	33963	50210	106199	56875	55706
2	Animal labour					
3	Machine labour					
4	Seed /seedlings		609	997		5325
5	Farmyard manure and chemical fertilizers	3963	19742	16513	20679	21020
6	Plant Protection	138	896	149	3872	1614
7	Land tax and irrigation cess	119	343	777	827	833
8	Repair and maintenance charges of implements, machinery and building	276				1043
9	Interest on working capital	3806	7146	12386	8143	8366
10	Other expenses	461	8145	3852	2437	3455
11	Total cost 'A'(1-10)	42726	87091	140873	92833	97361
12	Interest on fixed capital	933	804	6727	2511	8382
13	Cost 'B1'(11+12)	43660	87895	147599	95344	105742
14	Interest on land value	336958	1533264	880093	276042	496324
15	Cost 'B'(13+14)	380617	1621159	1027693	371386	602066
16	Imputed value of household labour	1498	19337	48944	19004	16323
17	Cost 'C'(15+16))	382115	1640496	1076637	390390	618389

**A2.8 District wise Cost of Cultivation per hectare (in Rs) of Pepper during
2021-22**

Sl No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	55962	30375	112671	55189	59748
2	Animal labour					
3	Machine labour					
4	Seed /seedlings	684	6024			1670
5	Farmyard manure and chemical fertilizers	11586	7306	25644	40450	18802
6	Plant Protection		8012		446	1468
7	Land tax and irrigation cess	436	837	436	313	584
8	Repair and maintenance charges of implements, machinery and building	802	1348	90	250	818
9	Interest on working capital	6823	5172	13831	9608	8169
10	Other expenses	2461	808	3598	2107	3746
11	Total cost 'A'(1-10)	78754	59881	156271	108364	95005
12	Interest on fixed capital	913	1353	20851	63151	7346
13	Cost 'B1'(11+12)	79667	61234	177122	171515	102351
14	Interest on land value	429807	209370	236377	289960	621709
15	Cost 'B'(13+14)	509475	270604	413499	461475	724060
16	Imputed value of household labour	39078	27169	23454	32928	26800
17	Cost 'C'(15+16))	548552	297773	436952	494403	750860

A2.9 District wise Cost of Cultivation per hectare (in Rs) of Ginger during 2021-22

Sl.No	Components	Thiruvanantha puram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	75957	104878	58827	53010	60941
2	Animal labour					
3	Machine labour			280		
4	Seed /seedlings	38954	63782	61960	69502	77637
5	Farmyard manure and chemical fertilizers	45931	22039	19668	30654	26986
6	Plant Protection		326	449	1377	
7	Land tax and irrigation cess	614	460	136	617	682
8	Repair and maintenance charges of implements, machinery and building	796	3208	3204	950	1692
9	Interest on working capital	16084	19103	14118	15454	16556
10	Other expenses	18018	4130	6581	2536	11395
11	Total cost 'A'(1-10)	196354	217925	165223	174101	195889
12	Interest on fixed capital	3781	1441	4410	2491	1115
13	Cost 'B1'(11+12)	200136	219366	169633	176592	197004
14	Interest on land value	1478949	57131	322322	787550	836841
15	Cost 'B'(13+14)	1679084	276497	491955	964142	1033845
16	Imputed value of household labour	82409	25585	51925	73150	62458
17	Cost 'C'(15+16))	1761493	302082	543880	1037292	1096303

A2.9 District wise Cost of Cultivation per hectare (in Rs) of Ginger during
2021-22

Sl.No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	60929	76103	65149	43786	81991
2	Animal labour					
3	Machine labour			5845	5178	
4	Seed /seedlings	45679	27242	56264	53587	20735
5	Farmyard manure and chemical fertilizers	7387	26372	25522	23383	36734
6	Plant Protection			885	3367	952
7	Land tax and irrigation cess	116	273	604	150	471
8	Repair and maintenance charges of implements, machinery and building		146	37		842
9	Interest on working capital	11399	12972	15367	12930	14041
10	Other expenses	2722	24423	9014	9508	7728
11	Total cost 'A'(1-10)	128232	167531	178686	151890	163494
12	Interest on fixed capital	1813	678	452	2732	1648
13	Cost 'B1'(11+12)	130045	168210	179138	154622	165142
14	Interest on land value	396688	1000619	789184	179462	292102
15	Cost 'B'(13+14)	526734	1168829	968322	334084	457244
16	Imputed value of household labour	3372	28223	56920	8557	34941
17	Cost 'C'(15+16)	530105	1197052	1025241	342641	492184

**A2.9 District wise Cost of Cultivation per hectare (in Rs) of Ginger during
2021-22**

Sl. No.	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	95026	189543	78305	49084	80409
2	Animal labour					
3	Machine labour			6537		2154
4	Seed /seedlings	58469	98684	47734	71909	58662
5	Farmyard manure and chemical fertilizers	44689	69743	23458	56946	31875
6	Plant Protection	2515	4368			1728
7	Land tax and irrigation cess	156	486	256	34	319
8	Repair and maintenance charges of implements, machinery and building	390	1108	112		877
9	Interest on working capital	20070	36234	15603	17794	17483
10	Other expenses	34764	42536	17369	1020	15750
11	Total cost 'A'(1-10)	256079	442702	189374	196787	209257
12	Interest on fixed capital	362	1393	9002	2414	2384
13	Cost 'B1'(11+12)	256440	444095	198376	199201	211641
14	Interest on land value	265020	161500	210011	117905	387594
15	Cost 'B'(13+14)	521461	605595	408387	317107	599235
16	Imputed value of household labour	27170	50927	79649	78494	37655
17	Cost 'C'(15+16))	548631	656522	488036	395601	636890

A2.10 District wise Cost of Cultivation per hectare (in Rs) of Turmeric
during 2021-22

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	70560	92292	46104	41350	84452
2	Animal labour					
3	Machine labour				2426	
4	Seed /seedlings	10966	23478	17501	26812	28549
5	Farmyard manure and chemical fertilizers	33119	14640	12418	23801	21814
6	Plant Protection				937	
7	Land tax and irrigation cess	598	473	148	505	563
8	Repair and maintenance charges of implements, machinery and building	36	3827	2596	441	1287
9	Interest on working capital	11464	13041	7602	9533	13481
10	Other expenses	8710	1830	3490	9626	10121
11	Total cost 'A'(1-10)	135453	149581	89860	115431	160266
12	Interest on fixed capital	4332	1686	3304	5615	858
13	Cost 'B1'(11+12)	139784	151267	93164	121047	161124
14	Interest on land value	1025027	64254	316622	972618	775984
15	Cost 'B'(13+14)	1164812	215520	409786	1093665	937108
16	Imputed value of household labour	76513	26577	54993	109082	73610
17	Cost 'C'(15+16)	1241324	242097	464779	1202747	1010718

A2.10 District wise Cost of Cultivation per hectare (in Rs) of Turmeric
during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	119181	111861	63620	44885	52610
2	Animal labour					
3	Machine labour			5553	3785	1619
4	Seed /seedlings	49400	25734	36579	19978	12162
5	Farmyard manure and chemical fertilizers	8205	35890	18993	7498	24442
6	Plant Protection			843	883	
7	Land tax and irrigation cess	79	256	487	185	363
8	Repair and maintenance charges of implements, machinery and building		90	41		335
9	Interest on working capital	17679	17348	12559	7703	9083
10	Other expenses	21593	31341	10638	6807	9295
11	Total cost 'A'(1-10)	216137	222521	149314	91723	109909
12	Interest on fixed capital	1883	712	409	907	457
13	Cost 'B1'(11+12)	218020	223233	149722	92630	110366
14	Interest on land value	658987	867579	688122	183530	340976
15	Cost 'B'(13+14)	877007	1090812	837845	276160	451343
16	Imputed value of household labour	9942	32636	60489	28412	33961
17	Cost 'C'(15+16)	886949	1123448	898334	304573	485304

**A2.10 District wise Cost of Cultivation per hectare (in Rs) of Turmeric
during 2021-22**

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	45861	41386	76694	40049	64911
2	Animal labour					
3	Machine labour				6249	1397
4	Seed /seedlings	15148	37168	36013	50215	24523
5	Farmyard manure and chemical fertilizers	22770	29714	23919	34521	21913
6	Plant Protection					172
7	Land tax and irrigation cess	39	494	240	116	313
8	Repair and maintenance charges of implements, machinery and building	223	1662	27		813
9	Interest on working capital	8378	10827	13663	13103	11292
10	Other expenses	34435		14321	963	12930
11	Total cost 'A'(1-10)	126853	121250	164876	145217	138264
12	Interest on fixed capital	376	2842	7156	2817	1888
13	Cost 'B1'(11+12)	127229	124092	172032	148034	140152
14	Interest on land value	323139	162662	240548	160823	455700
15	Cost 'B'(13+14)	450368	286754	412580	308857	595852
16	Imputed value of household labour	22764	94760	67469	83829	49347
17	Cost 'C'(15+16))	473132	381514	480049	392686	645199

A2.11 District wise Cost of Cultivation per hectare (in Rs) of Pineapple
during 2021-22

Sl. No	Components	Idukki	Palakkad	Wayanad	State
1	Hired human labour	75552	125406	152246	69487
2	Animal labour				
3	Machine labour				6831
4	Seed /seedlings			2613	84865
5	Farmyard manure and chemical fertilizers	14886	50944	36005	27237
6	Plant Protection	2437	20879	24692	3549
7	Land tax and irrigation cess	123	1235	812	156
8	Repair and maintenance charges of implements, machinery and building	26		2179	80
9	Interest on working capital	9288	19723	21556	19197
10	Other expenses	3389	65426	18877	38686
11	Total cost 'A'(1-10)	105702	283613	258978	250088
12	Interest on fixed capital	335	743	17190	462
13	Cost 'B1'(11+12)	106037	284356	276168	250550
14	Interest on land value	139893	69192	127697	564646
15	Cost 'B'(13+14)	245930	353548	403865	815196
16	Imputed value of household labour	10785	30353	93322	8250
17	Cost 'C'(15+16)	256714	383901	497187	823446

A2.12 District wise Cost of Cultivation per hectare (in Rs) of Bitter Gourd (Autumn) during 2021-22

Sl.No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	82215	77346	62811	59663	73741
2	Animal labour					
3	Machine labour			3754	7692	
4	Seed /seedlings	4906	8025	10224	8064	3987
5	Farmyard manure and chemical fertilizers	41212	35139	20200	33923	38016
6	Plant Protection	1945	1081	2153	1679	13726
7	Land tax and irrigation cess		312	14	238	535
8	Repair and maintenance charges of implements, machinery and building	502	5332	3400	253	617
9	Interest on working capital	13219	12159	9914	11102	12947
10	Other expenses	32389	34989	27161	39809	44144
11	Total cost 'A'(1-10)	178296	174382	139632	162421	187713
12	Interest on fixed capital	4175	3448	2290	2011	862
13	Cost 'B1'(11+12)	182471	177830	141922	164432	188575
14	Interest on land value	506340	146733	216095	382512	548849
15	Cost 'B'(13+14)	688811	324563	358017	546945	737424
16	Imputed value of household labour	160027	93825	60455	118018	91486
17	Cost 'C'(15+16)	848838	418388	418472	664963	828910

**A2.12 District wise Cost of Cultivation per hectare (in Rs) of Bitter Gourd
(Autumn) during 2021-22**

Sl.No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour		42014	73113	35742	60709
2	Animal labour					
3	Machine labour		2170	2594	4849	
4	Seed /seedlings		5050	5630	14262	7378
5	Farmyard manure and chemical fertilizers		32406	26849	15313	27512
6	Plant Protection		2000	3085	2750	7427
7	Land tax and irrigation cess		187	82	98	8
8	Repair and maintenance charges of implements, machinery and building		164	96		600
9	Interest on working capital		8364	11127	7292	10303
10	Other expenses		21607	50985	14868	52584
11	Total cost 'A'(1-10)		113962	173562	95173	166522
12	Interest on fixed capital		2072	1038	21455	1378
13	Cost 'B'(11+12)		116034	174600	116628	167900
14	Interest on land value		384113	434538	166271	255275
15	Cost 'B'(13+14)		500147	609138	282899	423175
16	Imputed value of household labour		40858	46543	23703	64767
17	Cost 'C'(15+16)		541004	655681	306602	487942

**A2.12 District wise Cost of Cultivation per hectare (in Rs) of Bitter Gourd
(Autumn) during 2021-22**

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	35198		70490		61568
2	Animal labour					
3	Machine labour			5293		2528
4	Seed /seedlings	12782		10744		7878
5	Farmyard manure and chemical fertilizers	31122		30549		28259
6	Plant Protection	1544		120		4301
7	Land tax and irrigation cess			265		163
8	Repair and maintenance charges of implements, machinery and building	309		60		659
9	Interest on working capital	8065		11720		10468
10	Other expenses	43843		66394		37501
11	Total cost 'A'(1-10)	132861		195634		153310
12	Interest on fixed capital	2563		9269		5842
13	Cost 'B1'(11+12)	135424		204903		159152
14	Interest on land value	237120		315243		349177
15	Cost 'B'(13+14)	372544		520146		508329
16	Imputed value of household labour	45572		43285		64155
17	Cost 'C'(15+16)	418115		563431		572484

A2.13 District wise Cost of Cultivation per hectare (in Rs) of Bitter Gourd
(Winter) during 2021-22

Sl.No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	83831	80669	53920	45215	64088
2	Animal labour					
3	Machine labour				817	
4	Seed /seedlings	6548	5640	12295	8533	3499
5	Farmyard manure and chemical fertilizers	47150	79924	14699	33827	29060
6	Plant Protection	2298	1688	3478	5193	11009
7	Land tax and irrigation cess	172	258		572	187
8	Repair and maintenance charges of implements, machinery and building	937	4853	3524		435
9	Interest on working capital	13983	16792	8439	9358	10766
10	Other expenses	67505	39413	180428	27333	43412
11	Total cost 'A'(1-10)	222423	229237	276783	130848	162455
12	Interest on fixed capital	5827	2766	9865	7102	1196
13	Cost 'B1'(11+12)	228250	232003	286648	137950	163651
14	Interest on land value	416224	51031	209904	690641	452924
15	Cost 'B'(13+14)	644474	283034	496552	828591	616575
16	Imputed value of household labour	144911	75732	81222	129420	134574
17	Cost 'C'(15+16)	789385	358765	577774	958011	751149

A2.13 District wise Cost of Cultivation per hectare (in Rs) of Bitter Gourd
(Winter) during 2021-22

Sl.No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	59594	61235	53095	35191	44340
2	Animal labour					
3	Machine labour			941	3091	
4	Seed /seedlings	5918	5630	8734	13339	6917
5	Farmyard manure and chemical fertilizers	15455	22431	26898	15347	23002
6	Plant Protection	2156	1019	5062	3587	2749
7	Land tax and irrigation cess	79	106	221	184	
8	Repair and maintenance charges of implements, machinery and building		386	96	266	966
9	Interest on working capital	8312	9031	9473	7055	7701
10	Other expenses	11474	22745	36340	15742	39082
11	Total cost 'A'(1-10)	102989	122583	140861	93802	124757
12	Interest on fixed capital	9093	1088	11208	24830	8319
13	Cost 'B1'(11+12)	112082	123670	152069	118632	133075
14	Interest on land value	345110	408065	617163	135960	377529
15	Cost 'B'(13+14)	457192	531735	769233	254592	510604
16	Imputed value of household labour	58700	21777	91294	25261	66994
17	Cost 'C'(15+16))	515892	553512	860526	279854	577597

**A2.13 District wise Cost of Cultivation per hectare (in Rs) of Bitter Gourd
(Winter) during 2021-22**

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	25314		87653	42204	54547
2	Animal labour					
3	Machine labour			7659	17119	1730
4	Seed /seedlings	6243	9880	28046	10308	9481
5	Farmyard manure and chemical fertilizers	35794	22662	34069	46633	29395
6	Plant Protection	1296	4570	54	1308	3606
7	Land tax and irrigation cess	34	494	204	103	144
8	Repair and maintenance charges of implements, machinery and building	382	1853	105	856	946
9	Interest on working capital	6926	3711	15748	11757	9876
10	Other expenses	35726	25132	50779	12815	44561
11	Total cost 'A'(1-10)	112330	68302	224317	143103	154286
12	Interest on fixed capital	902	5906	15154	75046	12151
13	Cost 'B1'(11+12)	113232	74208	239471	218150	166437
14	Interest on land value	362053	74100	366351	423556	340863
15	Cost 'B'(13+14)	475285	148308	605823	641706	507300
16	Imputed value of household labour	55036	266297	77355	215141	81938
17	Cost 'C'(15+16)	530321	414605	683178	856846	589238

A2.14 District wise Cost of Cultivation per hectare (in Rs) of Bitter Gourd
(Summer) during 2021-22

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	111208	84303	52677	60919	87551
2	Animal labour					
3	Machine labour				344	
4	Seed /seedlings	7029	4468	9394	9777	3788
5	Farmyard manure and chemical fertilizers	38489	51332	14899	51899	24669
6	Plant Protection	1738	1490	2123	6003	10884
7	Land tax and irrigation cess	382	254	3	450	97
8	Repair and maintenance charges of implements, machinery and building	145	6275	1273	544	376
9	Interest on working capital	15846	14159	7909	12917	12689
10	Other expenses	60403	46488	30301	60661	32879
11	Total cost 'A'(1-10)	235240	208769	118578	203743	172933
12	Interest on fixed capital	5242	2995	941	4865	1331
13	Cost 'B1'(11+12)	240482	211764	119518	208608	174263
14	Interest on land value	528183	34488	145612	438926	721668
15	Cost 'B'(13+14)	768665	246252	265130	647535	895931
16	Imputed value of household labour	136060	52939	77946	115445	131539
17	Cost 'C'(15+16)	904725	299191	343076	762980	1027470

A2.14 District wise Cost of Cultivation per hectare (in Rs) of Bitter Gourd
(Summer) during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	95787	75643	74192	41007	21316
2	Animal labour					
3	Machine labour		1295	6778	2016	
4	Seed /seedlings	35321	3732	7054	13585	15497
5	Farmyard manure and chemical fertilizers	3903	20670	25386	14893	32408
6	Plant Protection	1853	2332	1996	3690	5299
7	Land tax and irrigation cess	124	172	87	272	
8	Repair and maintenance charges of implements, machinery and building	371	1180	20	1512	3637
9	Interest on working capital	13686	10367	11541	7519	7452
10	Other expenses	3705	34747	38806	27755	58353
11	Total cost 'A'(1-10)	154748	150139	165860	112249	143962
12	Interest on fixed capital	1188	4363	4489	18141	29383
13	Cost 'B1'(11+12)	155935	154502	170349	130391	173345
14	Interest on land value	123500	249645	595341	222669	283944
15	Cost 'B'(13+14)	279435	404147	765690	353059	457289
16	Imputed value of household labour	43472	35150	76346	28405	103165
17	Cost 'C'(15+16))	322907	439297	842036	381464	560454

**A2.14 District wise Cost of Cultivation per hectare (in Rs) of Bitter Gourd
(Summer) during 2021-22**

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	19212	16673	37462	38689	66784
2	Animal labour					
3	Machine labour				10441	1982
4	Seed /seedlings	14864	9880	82514	11182	10216
5	Farmyard manure and chemical fertilizers	35015	15191	47144	69227	30446
6	Plant Protection	3823	3890		1819	3194
7	Land tax and irrigation cess	37	494	379	180	180
8	Repair and maintenance charges of implements, machinery and building	588	1235	214		1109
9	Interest on working capital	7291	4563	16712	13136	11265
10	Other expenses	22921	11733	31451	8959	38685
11	Total cost 'A'(1-10)	103752	63658	215876	153634	163858
12	Interest on fixed capital	5908	1938	58847	128714	7840
13	Cost 'B1'(11+12)	109660	65596	274723	282348	171698
14	Interest on land value	504958	74100	214804	965995	394576
15	Cost 'B'(13+14)	614617	139696	489527	1248342	566274
16	Imputed value of household labour	64668	212420	110146	188753	81203
17	Cost 'C'(15+16))	679286	352116	599673	1437095	647477

**A2.15 District wise Cost of Cultivation per hectare (in Rs) of Cowpea
(Autumn) during 2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	95200	92257	65982	72414	74605
2	Animal labour					
3	Machine labour			752	392	
4	Seed /seedlings	5650	5952	7717	17094	4143
5	Farmyard manure and chemical fertilizers	56516	45837	16379	37157	36247
6	Plant Protection	3890	2078	2144	8465	9250
7	Land tax and irrigation cess	153	345	30	360	186
8	Repair and maintenance charges of implements, machinery and building	1316	4910	5626		322
9	Interest on working capital	16126	14612	9297	13552	12506
10	Other expenses	90411	34369	32716	92190	38504
11	Total cost 'A'(1-10)	269262	200360	140644	241623	176576
12	Interest on fixed capital	6515	3379	121468	3573	529
13	Cost 'B1'(11+12)	275777	203739	262112	245196	177105
14	Interest on land value	568633	57418	219309	493165	771872
15	Cost 'B'(13+14)	844409	261157	481421	738361	948977
16	Imputed value of household labour	127583	80353	71197	175668	94343
17	Cost 'C'(15+16)	971992	341510	552619	914029	1043320

**A2.15 District wise Cost of Cultivation per hectare (in Rs) of Cowpea
(Autumn) during 2021-22**

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour		46321	43639	30349	39592
2	Animal labour					
3	Machine labour			896	2828	
4	Seed /seedlings		5004	4029	3591	3349
5	Farmyard manure and chemical fertilizers		44901	24683	15986	21717
6	Plant Protection		3480	3048	3256	2734
7	Land tax and irrigation cess		234	124	200	
8	Repair and maintenance charges of implements, machinery and building		128	96		450
9	Interest on working capital		9971	7630	5601	6739
10	Other expenses		41124	47987	11269	31018
11	Total cost 'A'(1-10)		151163	132131	73080	105598
12	Interest on fixed capital		1327	1169	23647	998
13	Cost 'B1'(11+12)		152490	133300	96727	106597
14	Interest on land value		706195	554738	193799	344934
15	Cost 'B'(13+14)		858685	688037	290526	451531
16	Imputed value of household labour		70347	76247	26938	80573
17	Cost 'C'(15+16))		929032	764285	317464	532104

A2.15 District wise Cost of Cultivation per hectare (in Rs) of Cowpea
(Autumn) during 2021-22

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	17542		52693		57108
2	Animal labour					
3	Machine labour			8098		1134
4	Seed /seedlings	8847		5925		5460
5	Farmyard manure and chemical fertilizers	42071		16848		29852
6	Plant Protection	1240				4459
7	Land tax and irrigation cess	55		96		155
8	Repair and maintenance charges of implements, machinery and building	373		27		920
9	Interest on working capital	6970		8356		9801
10	Other expenses	41032		74235		42589
11	Total cost 'A'(1-10)	118130		166279		151478
12	Interest on fixed capital	754		3168		13588
13	Cost 'B1'(11+12)	118884		169447		165066
14	Interest on land value	628892		275007		458723
15	Cost 'B'(13+14)	747776		444454		623789
16	Imputed value of household labour	28017		55251		78641
17	Cost 'C'(15+16)	775793		499705		702430

**A2.16 District wise Cost of Cultivation per hectare (in Rs) of Cowpea
(Winter) during 2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	67787	90255	50435	42447	64262
2	Animal labour					
3	Machine labour				2470	
4	Seed /seedlings	10038	7803	8497	14573	3321
5	Farmyard manure and chemical fertilizers	63910	40408	18357	52953	47312
6	Plant Protection	2275	1610	79811	9216	11960
7	Land tax and irrigation cess	508	210	9	855	157
8	Repair and maintenance charges of implements, machinery and building	386	4940	3338	91	634
9	Interest on working capital	14401	14008	15710	12166	12686
10	Other expenses	65665	32045	34189	73990	42668
11	Total cost 'A'(1-10)	224970	191278	210346	208762	182999
12	Interest on fixed capital	4648	2663	3983	8482	663
13	Cost 'B1'(11+12)	229617	193941	214329	217244	183663
14	Interest on land value	511358	48662	184046	448703	791958
15	Cost 'B'(13+14)	740975	242603	398375	665947	975620
16	Imputed value of household labour	124520	55711	85355	187537	87369
17	Cost 'C'(15+16)	865495	298314	483730	853484	1062990

**A2.16 District wise Cost of Cultivation per hectare (in Rs) of Cowpea
(Winter) during 2021-22**

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	77170	53601	50546	29509	45171
2	Animal labour					
3	Machine labour			711	3313	3480
4	Seed /seedlings	5985	10318	4418	3535	3878
5	Farmyard manure and chemical fertilizers	7945	50489	25017	13055	34796
6	Plant Protection	1858	5543	3004	3296	3066
7	Land tax and irrigation cess	45	194	64	146	
8	Repair and maintenance charges of implements, machinery and building		729	41		1076
9	Interest on working capital	9296	11995	8370	5271	9039
10	Other expenses	22646	11786	26053	11798	26466
11	Total cost 'A'(1-10)	124946	144655	118223	69923	126973
12	Interest on fixed capital	1103	1397	5425	31696	5869
13	Cost 'B1'(11+12)	126049	146053	123648	101619	132843
14	Interest on land value	332077	461131	528886	193984	333844
15	Cost 'B'(13+14)	458126	607184	652534	295603	466686
16	Imputed value of household labour	25832	28220	83099	28087	91101
17	Cost 'C'(15+16)	483958	635404	735633	323689	557788

**A2.16 District wise Cost of Cultivation per hectare (in Rs) of Cowpea
(Winter) during 2021-22**

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	10194	34907	88214	43167	56885
2	Animal labour					
3	Machine labour		291	7841	14543	2270
4	Seed /seedlings	10615	10737	11950	9161	6463
5	Farmyard manure and chemical fertilizers	42519	17929	21576	44616	32085
6	Plant Protection	392	4010		300	9335
7	Land tax and irrigation cess	39	494	184	72	156
8	Repair and maintenance charges of implements, machinery and building	314	3778	107	3440	1020
9	Interest on working capital	6372	6831	12958	11179	10704
10	Other expenses	25386	25623	47451	3967	32172
11	Total cost 'A'(1-10)	95831	105035	190283	130446	151090
12	Interest on fixed capital	2984	10746	8273	63215	10257
13	Cost 'B1'(11+12)	98815	115782	198556	193661	161347
14	Interest on land value	254136	217215	162620	359193	397447
15	Cost 'B'(13+14)	352951	332996	361176	552853	558794
16	Imputed value of household labour	73610	201959	75598	161916	82140
17	Cost 'C'(15+16)	426561	534955	436773	714769	640934

**A2.17 District wise Cost of Cultivation per hectare (in Rs) of Cowpea
(Summer) during 2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	81561	96311	51065	54271	83545
2	Animal labour					
3	Machine labour				608	
4	Seed /seedlings	7816	9901	5814	10505	3900
5	Farmyard manure and chemical fertilizers	55283	20946	14377	69215	31112
6	Plant Protection	2435	1636	2598	6982	5906
7	Land tax and irrigation cess	474	196	4	436	433
8	Repair and maintenance charges of implements, machinery and building	397	6618	1280	771	604
9	Interest on working capital	14709	12879	7385	14158	12446
10	Other expenses	60901	43535	22251	49907	35655
11	Total cost 'A'(1-10)	223575	192021	104775	206853	173601
12	Interest on fixed capital	5492	3078	12219	6203	740
13	Cost 'B'(11+12)	229068	195099	116994	213056	174341
14	Interest on land value	553350	32473	185591	413066	579766
15	Cost 'B'(13+14)	782418	227572	302585	626122	754107
16	Imputed value of household labour	146102	52945	81555	133390	99847
17	Cost 'C'(15+16))	928520	280518	384140	759512	853954

A2.17 District wise Cost of Cultivation per hectare (in Rs) of Cowpea
(Summer) during 2021-22

Sl.No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	44460	42738	63713	13761	32372
2	Animal labour					
3	Machine labour		975		4411	3613
4	Seed /seedlings	5655	3907	4388	1905	3254
5	Farmyard manure and chemical fertilizers	1823	37791	20321	10903	27332
6	Plant Protection	296	6928	2405	2223	2657
7	Land tax and irrigation cess	39	156	128	247	
8	Repair and maintenance charges of implements, machinery and building	130	1760	8		29236
9	Interest on working capital	5223	9234	9083	3320	6923
10	Other expenses	15600	19067	23144	18525	29941
11	Total cost 'A'(1-10)	73226	122554	123190	55296	135326
12	Interest on fixed capital	1273	6114	5317	20719	27264
13	Cost 'B1'(11+12)	74498	128668	128507	76016	162590
14	Interest on land value	334693	495506	902595	189279	338759
15	Cost 'B'(13+14)	409191	624174	1031102	265294	501350
16	Imputed value of household labour	58123	61869	77514	33832	96897
17	Cost 'C'(15+16)	467314	686043	1108616	299126	598247

A2.17 District wise Cost of Cultivation per hectare (in Rs) of Cowpea
(Summer) during 2021-22

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	27809	54254	32893	45925	59927
2	Animal labour					
3	Machine labour				6410	816
4	Seed /seedlings	8688	13533	40279	8548	6991
5	Farmyard manure and chemical fertilizers	32597	16296	20512	38400	30447
6	Plant Protection	3596	3549			3636
7	Land tax and irrigation cess	140	494	274	51	236
8	Repair and maintenance charges of implements, machinery and building	909	5572	186		4075
9	Interest on working capital	7269	8763	9368	9928	10182
10	Other expenses	17470	12580	31642	4655	30892
11	Total cost 'A'(1-10)	98477	115041	135154	113917	147202
12	Interest on fixed capital	24591	4282	39448	92149	12561
13	Cost 'B1'(11+12)	123068	119323	174603	206066	159763
14	Interest on land value	215330	97484	206252	252300	425861
15	Cost 'B'(13+14)	338398	216806	380855	458366	585624
16	Imputed value of household labour	74649	200357	110359	173060	98904
17	Cost 'C'(15+16)	413047	417163	491214	631426	684528

A2.18 District wise Cost of Cultivation per hectare (in Rs) of Cardamom
during 2021-22

Sl. No	Components	Idukki	Palakkad	Wayanad	State
1	Hired human labour	75552	125406	152246	117030
2	Animal labour				
3	Machine labour				
4	Seed /seedlings			2613	649
5	Farmyard manure and chemical fertilizers	14886	50944	36005	36352
6	Plant Protection	2437	20879	24692	16261
7	Land tax and irrigation cess	123	1235	812	794
8	Repair and maintenance charges of implements, machinery and building	26		2179	549
9	Interest on working capital	9288	19723	21556	17029
10	Other expenses	3389	65426	18877	35143
11	Total cost 'A'(1-10)	105702	283613	258978	223807
12	Interest on fixed capital	335	743	17190	4707
13	Cost 'B1'(11+12)	106037	284356	276168	228514
14	Interest on land value	139893	69192	127697	105059
15	Cost 'B'(13+14)	245930	353548	403865	333573
16	Imputed value of household labour	10785	30353	93322	40090
17	Cost 'C'(15+16)	256714	383901	497187	373663

A2.19 District wise Cost of Cultivation per hectare (in Rs) of Ash Gourd
(Autumn) during 2021-22

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour		70407	25318		23747
2	Animal labour					
3	Machine labour					
4	Seed /seedlings		845	6823	9263	11417
5	Farmyard manure and chemical fertilizers		39336	16734	25318	10758
6	Plant Protection			347		3789
7	Land tax and irrigation cess		455	93		126
8	Repair and maintenance charges of implements, machinery and building		2179	6607		
9	Interest on working capital		11059	4922	3458	4971
10	Other expenses		36808	14944	4940	18924
11	Total cost 'A'(1-10)		161089	75788	42978	73732
12	Interest on fixed capital		2343	17781	2063	180
13	Cost 'B1'(11+12)		163432	93569	45041	73913
14	Interest on land value		121563	338097	494000	230243
15	Cost 'B'(13+14)		284995	431666	539041	304155
16	Imputed value of household labour		139725	44460	113040	33256
17	Cost 'C'(15+16)		424719	476126	652080	337411

A2.19 District wise Cost of Cultivation per hectare (in Rs) of Ash Gourd
(Autumn) during 2021-22

Sl.No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour			16194	39663	38342
2	Animal labour					
3	Machine labour				239	741
4	Seed /seedlings			2602	3428	4639
5	Farmyard manure and chemical fertilizers			19670	17223	11509
6	Plant Protection			1369	2060	1947
7	Land tax and irrigation cess			76	444	108
8	Repair and maintenance charges of implements, machinery and building			67		337
9	Interest on working capital			3983	6261	5718
10	Other expenses			20203	4090	14805
11	Total cost 'A'(1-10)			64164	73409	78145
12	Interest on fixed capital			867	1356	405
13	Cost 'B1'(11+12)			65031	74765	78550
14	Interest on land value			510826	206122	256042
15	Cost 'B'(13+14)			575857	280887	334592
16	Imputed value of household labour			65923	20062	21304
17	Cost 'C'(15+16))			641779	300949	355896

A2.19 District wise Cost of Cultivation per hectare (in Rs) of Ash Gourd
(Autumn) during 2021-22

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour			69191		34926
2	Animal labour					
3	Machine labour					239
4	Seed /seedlings	14326		4224		4187
5	Farmyard manure and chemical fertilizers	60762		20641		17592
6	Plant Protection			225		1680
7	Land tax and irrigation cess	237		175		226
8	Repair and maintenance charges of implements, machinery and building			50		262
9	Interest on working capital	7509		9428		5862
10	Other expenses	7904		25885		14167
11	Total cost 'A'(1-10)	90738		129818		79141
12	Interest on fixed capital	2300		1204		1280
13	Cost 'B1'(11+12)	93038		131022		80421
14	Interest on land value	237120		332203		308314
15	Cost 'B'(13+14)	330158		463224		388735
16	Imputed value of household labour	85363		56049		40387
17	Cost 'C'(15+16)	415521		519273		429122

**A2.20 District wise Cost of Cultivation per hectare (in Rs) of Ash Gourd
(Winter) during 2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour		148200	49400	188618	29434
2	Animal labour					
3	Machine labour				10105	
4	Seed /seedlings		3952	5403	18188	66
5	Farmyard manure and chemical fertilizers		13832	13462	114967	10328
6	Plant Protection			888	23802	5014
7	Land tax and irrigation cess		618	93	629	82
8	Repair and maintenance charges of implements, machinery and building		7410	2316	2245	
9	Interest on working capital		16598	6915	35568	4484
10	Other expenses		8892	27016	35209	36721
11	Total cost 'A'(1-10)		199502	105491	429331	86129
12	Interest on fixed capital		4200	1250	18563	1063
13	Cost 'B1'(11+12)		203702	106741	447893	87192
14	Interest on land value		20254	451689	1571818	586429
15	Cost 'B'(13+14)		223956	558430	2019712	673621
16	Imputed value of household labour		103740	50944	235773	28529
17	Cost 'C'(15+16))		327696	609374	2255484	702149

A2.20 District wise Cost of Cultivation per hectare (in Rs) of Ash Gourd
(Winter) during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	81510		23196	11494	27815
2	Animal labour					
3	Machine labour					633
4	Seed /seedlings	3952	1976	3190	3151	4994
5	Farmyard manure and chemical fertilizers	18216	40755	16596	13623	17366
6	Plant Protection	2964	3705	1825	2042	1031
7	Land tax and irrigation cess		124	434	261	
8	Repair and maintenance charges of implements, machinery and building		3088	60		2495
9	Interest on working capital	10664	4644	4481	3031	5184
10	Other expenses	49400	6175	25669	4954	17651
11	Total cost 'A'(1-10)	166706	60466	75451	38555	77169
12	Interest on fixed capital	196500	1250	12034	12139	16060
13	Cost 'B1'(11+12)	363206	61716	87485	50694	93229
14	Interest on land value	409328	138320	525024	280381	330901
15	Cost 'B'(13+14)	772535	200036	612509	331075	424131
16	Imputed value of household labour	169195	36309	64783	56365	36987
17	Cost 'C'(15+16))	941730	236345	677292	387440	461117

A2.20 District wise Cost of Cultivation per hectare (in Rs) of Ash Gourd
(Winter) during 2021-22

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	8718		43607	32514	28554
2	Animal labour					
3	Machine labour			1782	15101	3124
4	Seed /seedlings	12350	1853	19266	4873	5741
5	Farmyard manure and chemical fertilizers	63348	9880	36869	38313	26104
6	Plant Protection					1427
7	Land tax and irrigation cess		494	229	127	222
8	Repair and maintenance charges of implements, machinery and building			191	1010	767
9	Interest on working capital	8442	1173	10152	9080	6495
10	Other expenses	27606	12350	16462	3436	18425
11	Total cost 'A'(1-10)	120463	25750	128560	104454	90859
12	Interest on fixed capital	2279	3750	33523	63888	23865
13	Cost 'B1'(11+12)	122743	29500	162083	168341	114724
14	Interest on land value	228519	74100	223064	309787	385341
15	Cost 'B'(13+14)	351261	103600	385147	478129	500065
16	Imputed value of household labour	99904	153758	76634	101074	71779
17	Cost 'C'(15+16))	451166	257357	461780	579202	571844

A2.21 District wise Cost of Cultivation per hectare (in Rs) of Ash Gourd
(Summer) during 2021-22

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour		181665	75472	95781	39125
2	Animal labour					
3	Machine labour				1372	
4	Seed /seedlings		255	7044	24371	7904
5	Farmyard manure and chemical fertilizers		22389	15845	44131	2806
6	Plant Protection			3549	6312	
7	Land tax and irrigation cess		319		616	198
8	Repair and maintenance charges of implements, machinery and building		7968	915		
9	Interest on working capital		20431	10191	17197	4983
10	Other expenses		23106	13265	5544	17349
11	Total cost 'A'(1-10)		256133	126281	195323	72365
12	Interest on fixed capital		7031	1000	2979	
13	Cost 'B1'(11+12)		263163	127281	198302	72365
14	Interest on land value		40635	167266	540656	1156732
15	Cost 'B'(13+14)		303799	294547	738958	1229097
16	Imputed value of household labour		73303	53517	18662	44559
17	Cost 'C'(15+16)		377102	348063	757620	1273656

A2.21 District wise Cost of Cultivation per hectare (in Rs) of Ash Gourd
(Summer) during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour		59280	36513	17290	14081
2	Animal labour					
3	Machine labour					7291
4	Seed /seedlings		2470	2659	2939	6217
5	Farmyard manure and chemical fertilizers		14079	16061	20501	38222
6	Plant Protection		3952	1362	2470	2388
7	Land tax and irrigation cess		494	238		27
8	Repair and maintenance charges of implements, machinery and building					52309
9	Interest on working capital		7978	5660	4320	6820
10	Other expenses		9880	19808	15438	24418
11	Total cost 'A'(1-10)		98133	82302	62958	151772
12	Interest on fixed capital		10200	14234	8688	53512
13	Cost 'B1'(11+12)		108333	96536	71645	205284
14	Interest on land value		2470000	536161	164931	211363
15	Cost 'B'(13+14)		2578333	632697	236576	416646
16	Imputed value of household labour		69160	63343	42144	58307
17	Cost 'C'(15+16)		2647493	696040	278721	474953

A2.21 District wise Cost of Cultivation per hectare (in Rs) of Ash Gourd
(Summer) during 2021-22

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	11195		27870	22981	33959
2	Animal labour					
3	Machine labour				6132	2562
4	Seed /seedlings	9413	1029	14304	4667	7222
5	Farmyard manure and chemical fertilizers	50378	8233	24888	37028	29881
6	Plant Protection	4016				1942
7	Land tax and irrigation cess	60	494	328	62	176
8	Repair and maintenance charges of implements, machinery and building	1607	412	221	86	13271
9	Interest on working capital	7500	926	6706	7081	7557
10	Other expenses	26821	14408	14562	5208	18178
11	Total cost 'A'(1-10)	110990	25503	88880	83245	114748
12	Interest on fixed capital	48992	5000	58639	110676	40596
13	Cost 'B1'(11+12)	159982	30503	147519	193921	155344
14	Interest on land value	243106	74100	178755	327449	355640
15	Cost 'B'(13+14)	403089	104603	326274	521370	510984
16	Imputed value of household labour	125568	165696	92450	154461	77388
17	Cost 'C'(15+16)	528657	270299	418724	675832	588372

**A2.22 District wise Cost of Cultivation per hectare (in Rs) of Cucumber
(Autumn) during 2021-22**

Sl.No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	73106	56810	33345	30621	18439
2	Animal labour					
3	Machine labour					
4	Seed /seedlings	5711	4817	6662	17741	2685
5	Farmyard manure and chemical fertilizers	43291	11362	17938	16901	19342
6	Plant Protection	3034	1389	576	3936	2367
7	Land tax and irrigation cess	109	247	22	897	21
8	Repair and maintenance charges of implements, machinery and building	434	1235	6010		398
9	Interest on working capital	12514	7438	5852	6920	4283
10	Other expenses	44907	22230	18937	11795	6271
11	Total cost 'A'(1-10)	183105	105528	89342	88811	53807
12	Interest on fixed capital	3701	1438	2056	725	936
13	Cost 'B1'(11+12)	186806	106965	91398	89536	54743
14	Interest on land value	432171	81510	377948	188916	928377
15	Cost 'B'(13+14)	618977	188475	469346	278451	983120
16	Imputed value of household labour	97797	17290	41304	60961	46563
17	Cost 'C'(15+16)	716774	205765	510650	339412	1029683

**A2.22 District wise Cost of Cultivation per hectare (in Rs) of Cucumber
(Autumn) during 2021-22**

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour		27063	12034	18823	28126
2	Animal labour					
3	Machine labour					
4	Seed /seedlings		6551	3345	1253	1355
5	Farmyard manure and chemical fertilizers		7062	17410	20356	15313
6	Plant Protection		47	1875	2295	1942
7	Land tax and irrigation cess		236	163	170	42
8	Repair and maintenance charges of implements, machinery and building			117		834
9	Interest on working capital		4072	3466	4273	4674
10	Other expenses		7303	8937	9045	15468
11	Total cost 'A'(1-10)		52334	47349	56215	67754
12	Interest on fixed capital		277	1189	5559	1232
13	Cost 'B1'(11+12)		52611	48538	61775	68986
14	Interest on land value		199748	425755	331328	176781
15	Cost 'B'(13+14)		252358	474293	393103	245766
16	Imputed value of household labour		3737	60754	40798	49159
17	Cost 'C'(15+16)		256096	535047	433900	294926

A2.22 District wise Cost of Cultivation per hectare (in Rs) of Cucumber
(Autumn) during 2021-22

Sl.No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	34580		57673		42020
2	Animal labour					
3	Machine labour			5660		1346
4	Seed /seedlings	5558		3633		4809
5	Farmyard manure and chemical fertilizers	36062		19212		23333
6	Plant Protection					1808
7	Land tax and irrigation cess	309		169		172
8	Repair and maintenance charges of implements, machinery and building			24		442
9	Interest on working capital	7620		8618		7332
10	Other expenses	19908		22402		20775
11	Total cost 'A'(1-10)	104036		117392		102037
12	Interest on fixed capital	2875		448		1700
13	Cost 'B1'(11+12)	106911		117840		103737
14	Interest on land value	281580		255268		403830
15	Cost 'B'(13+14)	388491		373107		507567
16	Imputed value of household labour	81140		30112		54297
17	Cost 'C'(15+16)	469631		403219		561864

**A2.23 District wise Cost of Cultivation per hectare (in Rs) of Cucumber
(Winter) during 2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	63642	48371	34233		21683
2	Animal labour					
3	Machine labour			1300		
4	Seed /seedlings	2982	5943	6892	9880	1415
5	Farmyard manure and chemical fertilizers	44233	13729	24929	19760	17741
6	Plant Protection	2136	1679	4188	1050	1974
7	Land tax and irrigation cess	316	144	8	401	227
8	Repair and maintenance charges of implements, machinery and building	349	2058	4550		678
9	Interest on working capital	11299	6972	7154	3069	4281
10	Other expenses	36611	22487	29142	21613	15363
11	Total cost 'A'(1-10)	161569	101384	112396	55773	63362
12	Interest on fixed capital	4896	2400	19685	4000	989
13	Cost 'B1'(11+12)	166464	103784	132081	59773	64351
14	Interest on land value	383667	34992	188167	456333	850932
15	Cost 'B'(13+14)	550131	138776	320247	516105	915284
16	Imputed value of household labour	90733	45283	104737	186794	39210
17	Cost 'C'(15+16))	640864	184059	424984	702899	954494

**A2.23 District wise Cost of Cultivation per hectare (in Rs) of Cucumber
(Winter) during 2021-22**

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	18113	21559	29808	10205	46219
2	Animal labour					
3	Machine labour					4306
4	Seed /seedlings	1070	8550	2734	1297	5644
5	Farmyard manure and chemical fertilizers	947	9171	21569	20195	13020
6	Plant Protection	576	23	1855	2475	2361
7	Land tax and irrigation cess		228	110	223	26
8	Repair and maintenance charges of implements, machinery and building			116		867
9	Interest on working capital	2071	3930	5597	3417	7155
10	Other expenses	16467	13680	19319	10139	12444
11	Total cost 'A'(1-10)	39244	57140	81107	47951	92044
12	Interest on fixed capital	61167	1310	10637	15581	4181
13	Cost 'B1'(11+12)	100411	58450	91745	63532	96225
14	Interest on land value	409328	219767	465580	247516	305395
15	Cost 'B'(13+14)	509739	278217	557324	311048	401620
16	Imputed value of household labour	50717	5624	55576	53317	25539
17	Cost 'C'(15+16)	560457	283841	612900	364365	427159

**A2.23 District wise Cost of Cultivation per hectare (in Rs) of Cucumber
(Winter) during 2021-22**

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	4940		53176	37970	36912
2	Animal labour					
3	Machine labour			5289	12607	3224
4	Seed /seedlings	4940	957	11895	6305	5182
5	Farmyard manure and chemical fertilizers	52443	22455	21314	41229	24256
6	Plant Protection				65	1456
7	Land tax and irrigation cess	119	662	179	89	149
8	Repair and maintenance charges of implements, machinery and building		1123	71	420	553
9	Interest on working capital	6232	2341	9167	9818	7103
10	Other expenses	22724	16841	19867	2402	16631
11	Total cost 'A'(1-10)	91398	44378	120958	110905	95466
12	Interest on fixed capital	1676	3722	16246	37661	11299
13	Cost 'B1'(11+12)	93074	48100	137204	148566	106765
14	Interest on land value	203133	87573	185763	179192	378184
15	Cost 'B'(13+14)	296207	135673	322966	327759	484949
16	Imputed value of household labour	62778	192267	78549	103112	60367
17	Cost 'C'(15+16))	358985	327940	401516	430871	545316

**A2.24 District wise Cost of Cultivation per hectare (in Rs) of Cucumber
(Summer) during 2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	63716	195953	9630	57721	22740
2	Animal labour					
3	Machine labour					
4	Seed /seedlings	2918	316	5190	10189	2610
5	Farmyard manure and chemical fertilizers	34914	23012	8275	70888	22168
6	Plant Protection	2433		774	5256	4170
7	Land tax and irrigation cess	318	412	11	572	113
8	Repair and maintenance charges of implements, machinery and building	64	6916	1544	1807	744
9	Interest on working capital	10406	21928	2387	14405	5169
10	Other expenses	36450	29023	15732	19308	18264
11	Total cost 'A'(1-10)	151297	277560	43542	180147	75978
12	Interest on fixed capital	4357	4567	1375	2406	1069
13	Cost 'B1'(11+12)	155654	282127	44917	182553	77047
14	Interest on land value	384621	37873	215362	249447	931221
15	Cost 'B'(13+14)	540275	320000	260279	432001	1008268
16	Imputed value of household labour	89177	79040	66528	62296	37783
17	Cost 'C'(15+16)	629452	399040	326807	494297	1046051

A2.24 District wise Cost of Cultivation per hectare (in Rs) of Cucumber
(Summer) during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour		24358	27720		21872
2	Animal labour					
3	Machine labour		1350			2830
4	Seed /seedlings		3609	3194		1871
5	Farmyard manure and chemical fertilizers		14429	15963		23866
6	Plant Protection		1709	1189		1270
7	Land tax and irrigation cess		176	157		231
8	Repair and maintenance charges of implements, machinery and building		684	105		1849
9	Interest on working capital		4546	4807		5171
10	Other expenses		19846	13286		14110
11	Total cost 'A'(1-10)		70708	66421		73069
12	Interest on fixed capital		4012	16726		41878
13	Cost 'B1'(11+12)		74720	83147		114947
14	Interest on land value		410670	511074		244303
15	Cost 'B'(13+14)		485389	594221		359250
16	Imputed value of household labour		20401	54305		66432
17	Cost 'C'(15+16))		505790	648526		425682

**A2.24 District wise Cost of Cultivation per hectare (in Rs) of Cucumber
(Summer) during 2021-22**

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	30521	29640	33381	36663	35616
2	Animal labour					
3	Machine labour			5919	8622	3066
4	Seed /seedlings	6089	1028	25714	11409	7557
5	Farmyard manure and chemical fertilizers	34026	30035	37547	32516	30482
6	Plant Protection	4145			226	1780
7	Land tax and irrigation cess	142	494	300	23	192
8	Repair and maintenance charges of implements, machinery and building	2625		87		778
9	Interest on working capital	7478	6070	10256	8944	7851
10	Other expenses	18395	14326	14662	6910	16270
11	Total cost 'A'(1-10)	103421	81593	127865	105311	103591
12	Interest on fixed capital	5738	1500	12145	24982	15353
13	Cost 'B1'(11+12)	109159	83093	140010	130293	118944
14	Interest on land value	364531	74100	191520	176988	345492
15	Cost 'B'(13+14)	473690	157193	331530	307281	464436
16	Imputed value of household labour	101736	168948	86379	53687	61514
17	Cost 'C'(15+16)	575426	326141	417909	360968	525950

A2.25 District wise Cost of Cultivation per hectare (in Rs) of Snake Gourd
(Autumn) during 2021-22

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	79750	92633	48028	51987	51210
2	Animal labour					
3	Machine labour			1429	984	131
4	Seed /seedlings	5111	5372	11272	8900	2979
5	Farmyard manure and chemical fertilizers	49708	47746	15677	42437	27980
6	Plant Protection	3025	1666	1450	3352	5616
7	Land tax and irrigation cess	110	330	60	312	313
8	Repair and maintenance charges of implements, machinery and building	125	6340	6975	219	396
9	Interest on working capital	13764	14742	7786	10766	8845
10	Other expenses	58969	57787	25551	45145	29566
11	Total cost 'A'(1-10)	210614	226617	118227	164100	127574
12	Interest on fixed capital	3676	3791	13971	1934	501
13	Cost 'B1'(11+12)	214290	230408	132199	166034	128075
14	Interest on land value	459065	37413	202340	395371	705985
15	Cost 'B'(13+14)	673355	267821	334539	561405	834060
16	Imputed value of household labour	100875	99336	62548	170107	103394
17	Cost 'C'(15+16)	774230	367158	397087	731512	937454

A2.25 District wise Cost of Cultivation per hectare (in Rs) of Snake Gourd
(Autumn) during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour		28293	43196	28131	24344
2	Animal labour					
3	Machine labour				1688	
4	Seed /seedlings		3959	5773	4279	2558
5	Farmyard manure and chemical fertilizers		24648	19521	16349	18274
6	Plant Protection		1857	1507	3022	2727
7	Land tax and irrigation cess		212	58	84	11
8	Repair and maintenance charges of implements, machinery and building		220	34		972
9	Interest on working capital		5876	7000	5347	4790
10	Other expenses		19000	46330	14397	48993
11	Total cost 'A'(1-10)		84064	123419	73296	102669
12	Interest on fixed capital		2550	443	17956	1999
13	Cost 'B1'(11+12)		86614	123862	91252	104668
14	Interest on land value		461614	388309	184616	179156
15	Cost 'B'(13+14)		548228	512171	275868	283824
16	Imputed value of household labour		49564	46110	38038	85214
17	Cost 'C'(15+16)		597792	558281	313906	369038

**A2.25 District wise Cost of Cultivation per hectare (in Rs) of Snake Gourd
(Autumn) during 2021-22**

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	12575		30476		47830
2	Animal labour					
3	Machine labour			12858		1287
4	Seed /seedlings	9094		7698		5452
5	Farmyard manure and chemical fertilizers	55687		40159		29122
6	Plant Protection			97		2905
7	Land tax and irrigation cess	180		20		160
8	Repair and maintenance charges of implements, machinery and building	225				1019
9	Interest on working capital	7736		9129		8673
10	Other expenses	33906		47505		38030
11	Total cost 'A'(1-10)	119402		147942		134465
12	Interest on fixed capital	1477		2621		4107
13	Cost 'B1'(11+12)	120879		150563		138572
14	Interest on land value	219156		255256		409929
15	Cost 'B'(13+14)	340036		405819		548501
16	Imputed value of household labour	37993		61043		80563
17	Cost 'C'(15+16))	378029		466862		629064

**A2.26 District wise Cost of Cultivation per hectare (in Rs) of Snake Gourd
(Winter) during 2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	67266	89551	47297	55882	47021
2	Animal labour					
3	Machine labour				4467	
4	Seed /seedlings	5805	10186	10230	11308	3474
5	Farmyard manure and chemical fertilizers	40084	56266	15055	43059	30198
6	Plant Protection	2784	4796	3874	6487	7757
7	Land tax and irrigation cess	265	121	26	540	119
8	Repair and maintenance charges of implements, machinery and building	1910	5197	2746		565
9	Interest on working capital	11594	16080	7646	12120	8869
10	Other expenses	45563	59286	37224	43698	27589
11	Total cost 'A'(1-10)	175271	241483	124098	177559	125830
12	Interest on fixed capital	6320	2596	2957	7039	1138
13	Cost 'B1'(11+12)	181592	244079	127055	184599	126967
14	Interest on land value	430217	27159	148311	468884	644566
15	Cost 'B'(13+14)	611809	271237	275366	653483	771533
16	Imputed value of household labour	102502	68445	92553	166156	81369
17	Cost 'C'(15+16)	714311	339682	367919	819638	852903

A2.26 District wise Cost of Cultivation per hectare (in Rs) of Snake Gourd
(Winter) during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour	3487	18050	69749	30152	41748
2	Animal labour					
3	Machine labour			2787	2316	1790
4	Seed /seedlings	2337	1330	5733	4193	4348
5	Farmyard manure and chemical fertilizers	7749	7117	21040	12534	40033
6	Plant Protection	145	143	1764	3856	4534
7	Land tax and irrigation cess		190	79	138	
8	Repair and maintenance charges of implements, machinery and building	484		8		1839
9	Interest on working capital	1372	2664	10107	5305	9245
10	Other expenses	15498	11400	28269	18499	59072
11	Total cost 'A'(1-10)	31072	40894	139536	76993	162610
12	Interest on fixed capital	20134	667	3710	23084	13193
13	Cost 'B1'(11+12)	51207	41560	143246	100078	175804
14	Interest on land value	333088	349600	385879	186930	290095
15	Cost 'B'(13+14)	384294	391160	529125	287008	465898
16	Imputed value of household labour	99890	13696	39602	40308	73380
17	Cost 'C'(15+16)	484184	404856	568727	327316	539279

**A2.26 District wise Cost of Cultivation per hectare (in Rs) of Snake Gourd
(Winter) during 2021-22**

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasaragod	State
1	Hired human labour	23465		50952		53719
2	Animal labour					
3	Machine labour			13997		1973
4	Seed /seedlings	7317	4631	7616		5655
5	Farmyard manure and chemical fertilizers	67965	32011	42835		27554
6	Plant Protection					3863
7	Land tax and irrigation cess	62	494	8		110
8	Repair and maintenance charges of implements, machinery and building	988	4940	62		866
9	Interest on working capital	9875	3664	11540		9276
10	Other expenses	27479		55450		33562
11	Total cost 'A'(1-10)	137151	45741	182459		136578
12	Interest on fixed capital	2450	6750	6987		5559
13	Cost 'B1'(11+12)	139601	52491	189446		142137
14	Interest on land value	271391	74100	207439		385791
15	Cost 'B'(13+14)	410992	126591	396885		527928
16	Imputed value of household labour	103802	172900	144804		72752
17	Cost 'C'(15+16))	514794	299491	541688		600680

**A2.27 District wise Cost of Cultivation per hectare (in Rs) of Snake Gourd
(Summer) during 2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	54958	82877	45705	36230	69087
2	Animal labour					
3	Machine labour				1488	
4	Seed /seedlings	5629	9829	10906	8787	4113
5	Farmyard manure and chemical fertilizers	35189	38688	12666	46690	26361
6	Plant Protection	2667	2433	2030	5385	5573
7	Land tax and irrigation cess	333	296	2	401	183
8	Repair and maintenance charges of implements, machinery and building	337	6591	1240	595	644
9	Interest on working capital	9844	13383	7131	9858	10513
10	Other expenses	41855	31590	81262	82595	25114
11	Total cost 'A'(1-10)	150812	185686	160941	192028	141589
12	Interest on fixed capital	5914	3102	1187	3751	782
13	Cost 'B1'(11+12)	156726	188788	162128	195779	142371
14	Interest on land value	491160	35322	134433	391908	716702
15	Cost 'B'(13+14)	647886	224110	296562	587687	859074
16	Imputed value of household labour	107209	43849	69912	144515	85266
17	Cost 'C'(15+16)	755095	267960	366473	732203	944340

A2.27 District wise Cost of Cultivation per hectare (in Rs) of Snake Gourd
(Summer) during 2021-22

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour		30768	50685	24134	20155
2	Animal labour					
3	Machine labour		3301		10292	2964
4	Seed /seedlings	3921	1782	6094	12646	4120
5	Farmyard manure and chemical fertilizers	9860	12158	22024	19904	37720
6	Plant Protection	118	2449	1620	2244	5594
7	Land tax and irrigation cess	143	107	153		
8	Repair and maintenance charges of implements, machinery and building		1128			122216
9	Interest on working capital	1390	5046	8042	6922	7055
10	Other expenses	980	29173	31901	35558	63696
11	Total cost 'A'(1-10)	16412	85913	120519	111699	263521
12	Interest on fixed capital	1288	3329	9789	4469	145463
13	Cost 'B1'(11+12)	17700	89242	130308	116169	408984
14	Interest on land value	317840	231384	510805	147749	217487
15	Cost 'B'(13+14)	335540	320627	641112	263918	626471
16	Imputed value of household labour	68533	21577	61860	28741	109457
17	Cost 'C'(15+16))	404073	342204	702972	292658	735928

A2.27 District wise Cost of Cultivation per hectare (in Rs) of Snake Gourd
(Summer) during 2021-22

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	13135			82311	48921
2	Animal labour					
3	Machine labour					975
4	Seed /seedlings	16389		7410	11415	6661
5	Farmyard manure and chemical fertilizers	44692		28454	72765	28004
6	Plant Protection	1017			4239	3613
7	Land tax and irrigation cess	44		165	27	186
8	Repair and maintenance charges of implements, machinery and building	930				4614
9	Interest on working capital	7523		3586	17073	8817
10	Other expenses	34289		60927	9212	45445
11	Total cost 'A'(1-10)	118020		100542	197043	147236
12	Interest on fixed capital	15768		40333	112747	9309
13	Cost 'B1'(11+12)	133787		140876	309789	156545
14	Interest on land value	256517		538954	234316	417046
15	Cost 'B'(13+14)	390304		679830	544105	573591
16	Imputed value of household labour	87147		268077	179008	83958
17	Cost 'C'(15+16)	477451		947907	723114	657549

**A2.28 District wise Cost of Cultivation per hectare (in Rs) of Ladies Finger
(Autumn) during 2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	97964	46897	17084	191425	46046
2	Animal labour					
3	Machine labour			18937	1853	
4	Seed /seedlings	9697	2904	4570	23218	9227
5	Farmyard manure and chemical fertilizers	81277	29814	21143	89496	12789
6	Plant Protection	7720	593	3371	7822	1848
7	Land tax and irrigation cess	358	350	21	877	
8	Repair and maintenance charges of implements, machinery and building	131	2754	28858		152
9	Interest on working capital	19697	8021	6510	31381	6991
10	Other expenses	45375	16956	12107	42278	20762
11	Total cost 'A'(1-10)	262531	108289	112600	388350	97816
12	Interest on fixed capital	8594	2880	680313	3083	753
13	Cost 'B1'(11+12)	271125	111169	792913	391433	98570
14	Interest on land value	664702	97982	326546	1650783	504207
15	Cost 'B'(13+14)	935826	209151	1119459	2042217	602777
16	Imputed value of household labour	136477	96714	36618	81304	42636
17	Cost 'C'(15+16)	1072304	305865	1156077	2123521	645413

**A2.28 District wise Cost of Cultivation per hectare (in Rs) of Ladies Finger
(Autumn) during 2021-22**

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour		16088	8812	20715	23924
2	Animal labour					
3	Machine labour				3147	1351
4	Seed /seedlings		1235	6160	2788	4204
5	Farmyard manure and chemical fertilizers		20144	18877	18915	16392
6	Plant Protection		1168	2547	3038	2600
7	Land tax and irrigation cess		234	151	205	
8	Repair and maintenance charges of implements, machinery and building			197		378
9	Interest on working capital		3864	3640	4860	4847
10	Other expenses		18024	9480	5198	19811
11	Total cost 'A'(1-10)		60757	49863	58867	73508
12	Interest on fixed capital		592	3188	29423	1068
13	Cost 'B1'(11+12)		61349	53051	88291	74576
14	Interest on land value		731654	427529	223979	188488
15	Cost 'B'(13+14)		793003	480580	312270	263065
16	Imputed value of household labour		24099	67968	35901	82743
17	Cost 'C'(15+16)		817102	548547	348171	345808

**A2.28 District wise Cost of Cultivation per hectare (in Rs) of Ladies Finger
(Autumn) during 2021-22**

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	5370		39150		34206
2	Animal labour					
3	Machine labour			6293		2076
4	Seed /seedlings	6766		8055		5757
5	Farmyard manure and chemical fertilizers	37157		22744		26536
6	Plant Protection					2897
7	Land tax and irrigation cess	145		189		169
8	Repair and maintenance charges of implements, machinery and building			87		1040
9	Interest on working capital	4929		7624		7147
10	Other expenses	10739		33280		17852
11	Total cost 'A'(1-10)	65106		117423		97680
12	Interest on fixed capital	2816		7522		28158
13	Cost 'B1'(11+12)	67922		124945		125838
14	Interest on land value	266760		270662		369634
15	Cost 'B'(13+14)	334682		395606		495472
16	Imputed value of household labour	54125		56141		65566
17	Cost 'C'(15+16))	388807		451748		561038

**A2.29 District wise Cost of Cultivation per hectare (in Rs) of Ladies Finger
(Winter) during 2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	123774	36021	87391	73382	50556
2	Animal labour					
3	Machine labour			6469	6893	
4	Seed /seedlings	7321	4045	5293	16902	2210
5	Farmyard manure and chemical fertilizers	92875	11362	24115	29692	13179
6	Plant Protection	4798	926	4602	4768	7122
7	Land tax and irrigation cess	808	139	121	531	291
8	Repair and maintenance charges of implements, machinery and building	1372	2058	3293	4021	684
9	Interest on working capital	22877	5235	12787	13164	7307
10	Other expenses	36158	18062	14867	6089	5995
11	Total cost 'A'(1-10)	289983	77848	158937	155441	87345
12	Interest on fixed capital	11205	2211	3353	7557	913
13	Cost 'B1'(11+12)	301188	80059	162290	162999	88257
14	Interest on land value	649053	33963	454965	488256	1088613
15	Cost 'B'(13+14)	950242	114021	617255	651254	1176870
16	Imputed value of household labour	155378	36021	39873	103108	50344
17	Cost 'C'(15+16)	1105620	150042	657128	754363	1227214

A2.29 District wise Cost of Cultivation per hectare (in Rs) of Ladies Finger
(Winter) during 2021-22

Sl.No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour		19297	26167	28784	23487
2	Animal labour					
3	Machine labour			371	5227	
4	Seed /seedlings		1663	6315	3292	4489
5	Farmyard manure and chemical fertilizers		14931	16426	29872	20766
6	Plant Protection		2509	1763	3501	2917
7	Land tax and irrigation cess		270	133	157	
8	Repair and maintenance charges of implements, machinery and building		289	32	267	1497
9	Interest on working capital		3840	5104	7068	5166
10	Other expenses		10227	13260	8142	15878
11	Total cost 'A'(1-10)		53027	69570	86310	74201
12	Interest on fixed capital		3471	8725	27192	10272
13	Cost 'B1'(11+12)		56498	78296	113502	84473
14	Interest on land value		2860260	576550	233992	308795
15	Cost 'B'(13+14)		2916758	654846	347494	393268
16	Imputed value of household labour		27942	43976	28199	83812
17	Cost 'C'(15+16)		2944700	698821	375693	477080

**A2.29 District wise Cost of Cultivation per hectare (in Rs) of Ladies Finger
(Winter) during 2021-22**

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	10147	29640	24994	25972	35059
2	Animal labour					
3	Machine labour				19113	3026
4	Seed /seedlings	9012	2161	18713	7979	5940
5	Farmyard manure and chemical fertilizers	40401	21613	35456	32783	28637
6	Plant Protection					2802
7	Land tax and irrigation cess	76	988	235	91	185
8	Repair and maintenance charges of implements, machinery and building	214	7410	412	3529	951
9	Interest on working capital	5956	5341	7916	8585	7546
10	Other expenses	12457	12350	21077	5859	12596
11	Total cost 'A'(1-10)	78263	79503	108804	103911	96742
12	Interest on fixed capital	1343	4250	47449	83948	18952
13	Cost 'B1'(11+12)	79606	83753	156253	187858	115694
14	Interest on land value	320432	74100	176052	633702	495522
15	Cost 'B'(13+14)	400038	157853	332305	821560	611216
16	Imputed value of household labour	51883	113620	128605	142745	64434
17	Cost 'C'(15+16)	451921	271473	460910	964306	675650

**A2.30 District wise Cost of Cultivation per hectare (in Rs) of Ladies Finger
(Summer) during 2021-22**

Sl. No	Components	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam
1	Hired human labour	153612	12724	52488	31658	34530
2	Animal labour					
3	Machine labour					
4	Seed /seedlings	4818	3967	4631	25662	6518
5	Farmyard manure and chemical fertilizers	63360	8608	16287	32817	22921
6	Plant Protection	777	926	614	9294	1698
7	Land tax and irrigation cess	61	247		658	493
8	Repair and maintenance charges of implements, machinery and building		6736	33963		1350
9	Interest on working capital	22257	2623	7402	9943	6567
10	Other expenses	40020	16841	25472	12269	10558
11	Total cost 'A'(1-10)	284904	52672	140855	122302	84634
12	Interest on fixed capital	12703	2769	82833	4409	1389
13	Cost 'B1'(11+12)	297606	55441	223689	126711	86023
14	Interest on land value	265317	34056	418163	275063	1354216
15	Cost 'B'(13+14)	562923	89497	641852	401774	1440239
16	Imputed value of household labour	139907	61376	17753	120427	61904
17	Cost 'C'(15+16)	702831	150873	659605	522201	1502143

**A2.30 District wise Cost of Cultivation per hectare (in Rs) of Ladies Finger
(Summer) during 2021-22**

Sl. No	Components	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram
1	Hired human labour		21157	33076		34821
2	Animal labour					
3	Machine labour		1497			9592
4	Seed /seedlings	5558	3643	8574	4940	5110
5	Farmyard manure and chemical fertilizers	14758	13152	16165	55822	39174
6	Plant Protection		2994	1618	2470	4977
7	Land tax and irrigation cess		195	173	494	68
8	Repair and maintenance charges of implements, machinery and building		1996	19		77292
9	Interest on working capital	2032	4244	5943	6323	9367
10	Other expenses	54031	23844	16762	4631	24852
11	Total cost 'A'(1-10)	76379	72722	82330	74680	205254
12	Interest on fixed capital	1344	10389	8209	87375	56390
13	Cost 'B1'(11+12)	77722	83110	90538	162055	261645
14	Interest on land value	317840	494624	438677	82466	581160
15	Cost 'B'(13+14)	395562	577734	529215	244521	842805
16	Imputed value of household labour	59990	50548	43280	56365	66119
17	Cost 'C'(15+16))	455552	628282	572495	300887	908924

A2.30 District wise Cost of Cultivation per hectare (in Rs) of Ladies Finger
(Summer) during 2021-22

Sl. No	Components	Kozhikode	Wayanad	Kannur	Kasargod	State
1	Hired human labour	38337		54411	34897	37339
2	Animal labour					
3	Machine labour				8794	3244
4	Seed /seedlings	9773		35608	5171	9454
5	Farmyard manure and chemical fertilizers	48515		25182	48064	32595
6	Plant Protection	1256			2609	2811
7	Land tax and irrigation cess	52		235	61	181
8	Repair and maintenance charges of implements, machinery and building	837		162		12522
9	Interest on working capital	9788		11520	9954	8544
10	Other expenses	19132		19578	8364	18097
11	Total cost 'A'(1-10)	127690		146696	117914	124787
12	Interest on fixed capital	24066		28524	39861	24357
13	Cost 'B1'(11+12)	151756		175220	157775	149144
14	Interest on land value	281247		174669	137100	407285
15	Cost 'B'(13+14)	433003		349890	294875	556429
16	Imputed value of household labour	82682		115159	97966	75771
17	Cost 'C'(15+16)	515685		465049	392841	632200

**A2.31 District wise Cost of Cultivation per hectare (in Rs) of Cabbage
(Autumn) during 2021-22**

Sl.No	Components	Idukki	State
1	Hired human labour	117850	117850
2	Animal labour		
3	Machine labour		
4	Seed /seedlings	22585	22585
5	Farmyard manure and chemical fertilizers	10337	10337
6	Plant Protection	5597	5597
7	Land tax and irrigation cess	121	121
8	Repair and maintenance charges of implements, machinery and building	823	823
9	Interest on working capital	15637	15637
10	Other expenses	284	284
11	Total cost 'A'(1-10)	173234	173234
12	Interest on fixed capital	7659	7659
13	Cost 'B1'(11+12)	180893	180893
14	Interest on land value	70505	70505
15	Cost 'B'(13+14)	251398	251398
16	Imputed value of household labour	19987	19987
17	Cost 'C'(15+16)	271385	271385

**A2.32 District wise Cost of Cultivation per hectare (in Rs) of Cabbage
(Winter) during 2021-22**

Sl.No	Components	Idukki	Wayanad	State
1	Hired human labour	111571	29640	108753
2	Animal labour			
3	Machine labour			
4	Seed /seedlings	22406	7410	21890
5	Farmyard manure and chemical fertilizers	10223	21785	10621
6	Plant Protection	1688		1630
7	Land tax and irrigation cess	123	494	136
8	Repair and maintenance charges of implements, machinery and building	352	1647	397
9	Interest on working capital	14589	5884	14289
10	Other expenses	117	13997	595
11	Total cost 'A'(1-10)	161070	80856	158311
12	Interest on fixed capital	1176	4250	1274
13	Cost 'B1'(11+12)	162247	85106	159585
14	Interest on land value	113078	74100	111737
15	Cost 'B'(13+14)	275324	159206	271322
16	Imputed value of household labour	17982	125558	21683
17	Cost 'C'(15+16)	293307	284765	293005

**A2.33 District wise Cost of Cultivation per hectare (in Rs) of
Cabbage(Summer) during 2021-22**

Sl. No	Components	Idukki	Wayanad	State
1	Hired human labour	180075	29640	170493
2	Animal labour			
3	Machine labour			
4	Seed /seedlings	25028	7256	23896
5	Farmyard manure and chemical fertilizers	4806	24700	6073
6	Plant Protection	1364		1277
7	Land tax and irrigation cess	110	494	135
8	Repair and maintenance charges of implements, machinery and building	168		157
9	Interest on working capital	21127	6160	20174
10	Other expenses	2016		1888
11	Total cost 'A'(1-10)	234694	68249	224093
12	Interest on fixed capital	2917	3750	2969
13	Cost 'B1'(11+12)	237610	71999	227082
14	Interest on land value	89492	74100	88511
15	Cost 'B'(13+14)	327102	146099	315593
16	Imputed value of household labour	8569	133998	16558
17	Cost 'C'(15+16))	335671	280097	332151

**A2.34 District wise Cost of Cultivation per hectare (in Rs) of
Carrot(Autumn) during 2021-22**

Sl.No	Components	Idukki	State
1	Hired human labour	90587	90587
2	Animal labour		
3	Machine labour		
4	Seed /seedlings	6701	6701
5	Farmyard manure and chemical fertilizers	10475	10475
6	Plant Protection	2774	2774
7	Land tax and irrigation cess	66	66
8	Repair and maintenance charges of implements, machinery and building	558	558
9	Interest on working capital	11054	11054
10	Other expenses	10739	10739
11	Total cost 'A'(1-10)	132954	132954
12	Interest on fixed capital	5532	5532
13	Cost 'B1'(11+12)	138486	138486
14	Interest on land value	68971	68971
15	Cost 'B'(13+14)	207457	207457
16	Imputed value of household labour	12286	12286
17	Cost 'C'(15+16))	219743	219743

A2.35 District wise Cost of Cultivation per hectare (in Rs) of Carrot (Winter) during 2021-22

Sl. No	Components	Idukki	State
1	Hired human labour	140270	140270
2	Animal labour		
3	Machine labour		
4	Seed /seedlings	8950	8950
5	Farmyard manure and chemical fertilizers	20174	20174
6	Plant Protection	564	564
7	Land tax and irrigation cess	111	111
8	Repair and maintenance charges of implements, machinery and building	160	160
9	Interest on working capital	16996	16996
10	Other expenses	4555	4555
11	Total cost 'A'(1-10)	191780	191780
12	Interest on fixed capital	11907	11907
13	Cost 'B1'(11+12)	203687	203687
14	Interest on land value	92411	92411
15	Cost 'B'(13+14)	296098	296098
16	Imputed value of household labour		
17	Cost 'C'(15+16)	296098	296098

A2.36 District wise Cost of Cultivation per hectare (in Rs) of Carrot (Summer) during 2021-22

Sl.No	Components	Idukki	State
1	Hired human labour	176411	176411
2	Animal labour		
3	Machine labour		
4	Seed /seedlings	9196	9196
5	Farmyard manure and chemical fertilizers	27308	27308
6	Plant Protection	490	490
7	Land tax and irrigation cess	124	124
8	Repair and maintenance charges of implements, machinery and building		
9	Interest on working capital	21340	21340
10	Other expenses		
11	Total cost 'A'(1-10)	234869	234869
12	Interest on fixed capital	3767	3767
13	Cost 'B1'(11+12)	238635	238636
14	Interest on land value	101262	101262
15	Cost 'B'(13+14)	339897	339898
16	Imputed value of household labour	15371	15371
17	Cost 'C'(15+16)	355269	355269

A2.37 District wise Cost of Cultivation per hectare (in Rs) of Potato (Autumn) during 2021-22

Sl. No	Components	Idukki	State
1	Hired human labour	86987	86987
2	Animal labour		
3	Machine labour		
4	Seed /seedlings	29979	29979
5	Farmyard manure and chemical fertilizers	17059	17059
6	Plant Protection	869	869
7	Land tax and irrigation cess	124	124
8	Repair and maintenance charges of implements, machinery and building	950	950
9	Interest on working capital	13489	13489
10	Other expenses	543	543
11	Total cost 'A'(1-10)	150000	150000
12	Interest on fixed capital	22554	22554
13	Cost 'B1'(11+12)	172555	172554
14	Interest on land value	68397	68397
15	Cost 'B'(13+14)	240952	240952
16	Imputed value of household labour	10206	10206
17	Cost 'C'(15+16)	251157	251157

A2.38 District wise Cost of Cultivation per hectare (in Rs) of Potato (Winter) during 2021-22

Sl.No	Components	Idukki	State
1	Hired human labour	111635	111635
2	Animal labour		
3	Machine labour		
4	Seed /seedlings	34251	34251
5	Farmyard manure and chemical fertilizers	11677	11677
6	Plant Protection	134	134
7	Land tax and irrigation cess	20	20
8	Repair and maintenance charges of implements, machinery and building	37	37
9	Interest on working capital	15770	15770
10	Other expenses	6928	6928
11	Total cost 'A'(1-10)	180452	180452
12	Interest on fixed capital	19949	19949
13	Cost 'B1'(11+12)	200401	200401
14	Interest on land value	115489	115489
15	Cost 'B'(13+14)	315890	315890
16	Imputed value of household labour	3565	3565
17	Cost 'C'(15+16)	319455	319455

**A2.39 District wise Cost of Cultivation per hectare (in Rs) of Beans
(Autumn) during 2021-22**

Sl.No	Components	Idukki	State
1	Hired human labour	59726	59726
2	Animal labour		
3	Machine labour		
4	Seed /seedlings	41019	41019
5	Farmyard manure and chemical fertilizers	7713	7713
6	Plant Protection	1680	1680
7	Land tax and irrigation cess	93	93
8	Repair and maintenance charges of implements, machinery and building	558	558
9	Interest on working capital	11014	11014
10	Other expenses	5115	5115
11	Total cost 'A'(1-10)	126918	126918
12	Interest on fixed capital	4537	4537
13	Cost 'B1'(11+12)	131455	131455
14	Interest on land value	72909	72909
15	Cost 'B'(13+14)	204364	204364
16	Imputed value of household labour	4494	4494
17	Cost 'C'(15+16)	208858	208858

**A2.40 District wise Cost of Cultivation per hectare (in Rs) of Beans
(Winter) during 2021-22**

Sl. No	Components	Idukki	Wayanad	State
1	Hired human labour	91352	28229	86871
2	Animal labour			
3	Machine labour			
4	Seed /seedlings	39817	5558	37384
5	Farmyard manure and chemical fertilizers	12404	15243	12606
6	Plant Protection	955	4658	1218
7	Land tax and irrigation cess	46	494	78
8	Repair and maintenance charges of implements, machinery and building	243	3529	476
9	Interest on working capital	14453	5369	13808
10	Other expenses	5771	8469	5962
11	Total cost 'A'(1-10)	165039	71547	158403
12	Interest on fixed capital	14784	4107	13963
13	Cost 'B1'(11+12)	179823	75654	172366
14	Interest on land value	77776	74100	77515
15	Cost 'B'(13+14)	257599	149754	249881
16	Imputed value of household labour	1780	87509	7866
17	Cost 'C'(15+16)	259379	237263	257747

**A2.41 District wise Cost of Cultivation per hectare (in Rs) of Beans
(Summer) during 2021-22**

Sl. No	Components	Idukki	Wayanad	State
1	Hired human labour	106647	29640	105282
2	Animal labour			
3	Machine labour			
4	Seed /seedlings	44674	5928	43987
5	Farmyard manure and chemical fertilizers	8656	19760	8853
6	Plant Protection	1145		1125
7	Land tax and irrigation cess	124	494	130
8	Repair and maintenance charges of implements, machinery and building		4940	88
9	Interest on working capital	16112	5533	15925
10	Other expenses			
11	Total cost 'A'(1-10)	177358	66295	175390
12	Interest on fixed capital	1884	6500	1965
13	Cost 'B1'(11+12)	179242	72795	177355
14	Interest on land value	118499	74100	117712
15	Cost 'B'(13+14)	297741	146895	295067
16	Imputed value of household labour	4681	108680	6525
17	Cost 'C'(15+16)	302422	255575	301592

**A2.42 District wise Cost of Cultivation per hectare (in Rs) of Garlic
(Autumn) during 2021-22**

Sl.No	Components	Idukki	State
1	Hired human labour	86658	86658
2	Animal labour		
3	Machine labour		
4	Seed /seedlings	122191	122191
5	Farmyard manure and chemical fertilizers	6395	6395
6	Plant Protection	3711	3711
7	Land tax and irrigation cess	101	101
8	Repair and maintenance charges of implements, machinery and building	893	893
9	Interest on working capital	21896	21896
10	Other expenses	9523	9523
11	Total cost 'A'(1-10)	251368	251368
12	Interest on fixed capital	24646	24646
13	Cost 'B1'(11+12)	276014	276014
14	Interest on land value	66883	66883
15	Cost 'B'(13+14)	342897	342897
16	Imputed value of household labour	14225	14225
17	Cost 'C'(15+16)	357122	357122

A2.43 District wise Cost of Cultivation per hectare (in Rs) of Tomato (Autumn) during 2021-22

Sl.No	Components	Pathanamthitta	Palakkad	State
1	Hired human labour	63808	30154	30943
2	Animal labour			
3	Machine labour	22230	8769	9085
4	Seed /seedlings	5763	11461	11327
5	Farmyard manure and chemical fertilizers	18986	48082	47400
6	Plant Protection	4940	3067	3111
7	Land tax and irrigation cess		250	244
8	Repair and maintenance charges of implements, machinery and building	46765		1096
9	Interest on working capital	11573	10153	10187
10	Other expenses	11691	17725	17583
11	Total cost 'A'(1-10)	185757	129661	130976
12	Interest on fixed capital	200750	22020	26160
13	Cost 'B1'(11+12)	386507	151681	157136
14	Interest on land value	205833	221967	221588
15	Cost 'B'(13+14)	592340	373647	378724
16	Imputed value of household labour	26758	34046	33876
17	Cost 'C'(15+16))	619099	407694	412600

A2.44 District wise Cost of Cultivation per hectare (in Rs) of Tomato
(Winter) during 2021-22

Sl. No	Components	Pathanamthitta	Palakkad	Kozhikode	Wayanad	State
1	Hired human labour	159068	48244	3162	17290	47319
2	Animal labour			103740		
3	Machine labour		8890			8355
4	Seed /seedlings	17290	13338	494	5969	12959
5	Farmyard manure and chemical fertilizers	39520	52190	7904	18186	50948
6	Plant Protection	29640	2652	10690	2038	2807
7	Land tax and irrigation cess		307	4940	494	315
8	Repair and maintenance charges of implements, machinery and building	4940	869	130930	1647	988
9	Interest on working capital	24552	12531	3850	4348	12239
10	Other expenses	8892	15749	134780	4528	15110
11	Total cost 'A'(1-10)	283902	154770	629850	54500	151040
12	Interest on fixed capital	341250	21213	764630	3000	22651
13	Cost 'B1'(11+12)	625152	175984	150670	57500	173691
14	Interest on land value	271700	219398	915300	885083	252908
15	Cost 'B'(13+14)	896852	395381		942583	426599
16	Imputed value of household labour		23861		95713	27877
17	Cost 'C'(15+16)	896852	419243		1038296	454476

**A2.45 District wise Cost of Cultivation per hectare (in Rs) of Tomato
(Summer) during 2021-22**

Sl. No	Components	Palakkad	Kozhikode	Wayanad	State
1	Hired human labour	51279		9880	49488
2	Animal labour				
3	Machine labour	11864			11380
4	Seed /seedlings	14909	3162	6381	14528
5	Farmyard manure and chemical fertilizers	70083	69506	13503	68345
6	Plant Protection	2370	14820	4775	2571
7	Land tax and irrigation cess	505		494	499
8	Repair and maintenance charges of implements, machinery and building		3952	3293	141
9	Interest on working capital	15051	8749	3454	14631
10	Other expenses	19051	39520		18676
11	Total cost 'A'(1-10)	185111	139708	41780	180259
12	Interest on fixed capital	16826	4050	3000	16278
13	Cost 'B1'(11+12)	201937	143758	44780	196537
14	Interest on land value	247245	307762	74100	242562
15	Cost 'B'(13+14)	449182	451520	118880	439099
16	Imputed value of household labour	20653	266513	97977	25529
17	Cost 'C'(15+16)	469836	718033	216857	464628

**A3.1. Percentage of Hired human labour hours to total human labour
hours under Autumn Paddy**

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	28.58	44.57	73.15
2	Kollam	34.5	47.56	82.06
3	Pathanamthitta	37.41	46.49	83.9
4	Alappuzha	32.02	51.58	83.6
5	Kottayam	34.67	25.36	60.03
6	Idukki	38.84	51.61	90.45
7	Ernakulam	52.48	27.03	79.51
8	Thrissur	52.14	12.82	64.96
9	Palakkad	18.71	65.34	84.05
10	Malappuram	49.24	31.75	80.99
11	kozhikode	27.39	54.23	81.62
12	Wayanad			0
13	Kannur	10.93	67.14	78.07
14	Kasaragod	9.13	61.54	70.67
	State	34.54	41.26	75.8

A3.2. Percentage of Hired human labour hours to total human labour hours under Winter Paddy

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	35.4	35.27	70.67
2	Kollam	43.15	44.75	87.9
3	Pathanamthitta	56.99	24.88	81.87
4	Alappuzha	37.04	42.44	79.48
5	Kottayam	38.9	17.17	56.07
6	Idukki	13.62	79.87	93.49
7	Ernakulam	65.72	21.52	87.24
8	Thrissur	58.17	17.18	75.35
9	Palakkad	15.51	74.56	90.07
10	Malappuram	69.75	18.67	88.42
11	kozhikode	24.06	61.55	85.61
12	Wayanad	40.05	40.8	80.85
13	Kannur	13.69	64.6	78.29
14	Kasaragod	20.21	56.53	76.74
	State	42.34	38.55	80.89

A3.3. Percentage of Hired human labour hours to total human labour hours under Summer Paddy

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	41.03	29.13	70.16
2	Kollam	38.83	52.39	91.22
3	Pathanamthitta	50.98	38.69	89.67
4	Alappuzha	46.65	35.82	82.47
5	Kottayam	65.4	20.71	86.11
6	Idukki	17.85	79.81	97.66
7	Ernakulam	70.72	19.95	90.67
8	Thrissur	78.68	8.39	87.07
9	Palakkad	11	75	86
10	Malappuram	82.96	5.13	88.09
11	kozhikode	33.3	45.13	78.43
12	Wayanad	28.14	35.75	63.89
13	Kannur	47.99	36.33	84.32
14	Kasaragod	9.25	65.97	75.22
	State	54.51	31.74	86.25

A3.4. Percentage of Hired human labour hours to total human labour hours under Coconut

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	76.84	0	76.84
2	Kollam	78.69	0	78.69
3	Pathanamthitta	77.87	0	77.87
4	Alappuzha	79.11	0	79.11
5	Kottayam	68.46	1.65	70.11
6	Idukki	100	0	100
7	Ernakulam	87.31	0.76	88.07
8	Thrissur	69.24	9.99	79.23
9	Palakkad	69.7	17.55	87.25
10	Malappuram	78.12	3.57	81.69
11	kozhikode	80.48	6.93	87.41
12	Wayanad	48.34	23.37	71.71
13	Kannur	73.87	12.96	86.83
14	Kasaragod	48.68	28.97	77.65
	State	73.22	7.89	81.11

A3.5. Percentage of Hired human labour hours to total human labour hours under Arecanut

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	66.97	0	66.97
2	Kollam	79.26	0	79.26
3	Pathanamthitta	66.92	0	66.92
4	Alappuzha	38.47	0	38.47
5	Kottayam	71.23	0	71.23
6	Idukki	100	0	100
7	Ernakulam	79.48	5.02	84.5
8	Thrissur	63.18	9.5	72.68
9	Palakkad	56.9	23.04	79.94
10	Malappuram	73.35	3.91	77.26
11	kozhikode	35.4	1.98	37.38
12	Wayanad	47.16	34.23	81.39
13	Kannur	59.03	15.91	74.94
14	Kasaragod	44.19	29.07	73.26
	State	58.77	13.74	72.51

A3.6. Percentage of Hired human labour hours to total human labour hours under Tapioca

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	65.16	0	65.16
2	Kollam	74.71	0	74.71
3	Pathanamthitta	64.97	0.6	65.57
4	Alappuzha	24.39	0.35	24.74
5	Kottayam	57.11	0.1	57.21
6	Idukki	75.74	24.26	100
7	Ernakulam	78.12	4.24	82.36
8	Thrissur	37.82	12.41	50.23
9	Palakkad	38.54	16.35	54.89
10	Malappuram	68.67	4.21	72.88
11	kozhikode	54.6	1.9	56.5
12	Wayanad	57.59	0	57.59
13	Kannur	52.41	7.52	59.93
14	Kasaragod	14.92	12.25	27.17
	State	56.59	3.67	60.26

A3.7. Percentage of Hired human labour hours to total human labour hours under Banana

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	61.44	0	61.44
2	Kollam	80.38	0	80.38
3	Pathanamthitta	59.49	0	59.49
4	Alappuzha	45.33	0	45.33
5	Kottayam	51.14	0	51.14
6	Idukki	90.29	0	90.29
7	Ernakulam	79.92	0.31	80.23
8	Thrissur	49.6	4.84	54.44
9	Palakkad	54.53	17.57	72.1
10	Malappuram	65.14	0.34	65.48
11	kozhikode	44.65	5.49	50.14
12	Wayanad	44.41	0	44.41
13	Kannur	33.22	26.17	59.39
14	Kasaragod	15.9	14.47	30.37
	State	57.5	3.33	60.83

A3.8. Percentage of Hired human labour hours to total human labour hours under Pepper

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	63.03	0	63.03
2	Kollam	69.41	0	69.41
3	Pathanamthitta	69.61	0.3	69.91
4	Alappuzha	34.2	0	34.2
5	Kottayam	67.19	0.84	68.03
6	Idukki	80.06	16.5	96.56
7	Ernakulam	64.87	1.4	66.27
8	Thrissur	63.8	5.23	69.03
9	Palakkad	57.2	18.52	75.72
10	Malappuram	63.14	7.25	70.39
11	kozhikode	53.09	1.28	54.37
12	Wayanad	48.95	2.51	51.46
13	Kannur	74.27	7.29	81.56
14	Kasaragod	37.1	21.54	58.64
	State	61.88	5.6	67.48

A3.9. Percentage of Hired human labour hours to total human labour hours under Ginger

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	47.93	0	47.93
2	Kollam	80.01	0.22	80.23
3	Pathanamthitta	53.1	0	53.1
4	Alappuzha	40.35	0	40.35
5	Kottayam	49.12	0.22	49.34
6	Idukki	93.98	0.91	94.89
7	Ernakulam	54.26	14.11	68.37
8	Thrissur	42.17	11.57	53.74
9	Palakkad	22.13	63.57	85.7
10	Malappuram	50.71	18.03	68.74
11	kozhikode	58.27	17.72	75.99
12	Wayanad	43.45	36.31	79.76
13	Kannur	38.01	10.72	48.73
14	Kasaragod	15.24	24.89	40.13
	State	44.81	26.42	71.23

A3.10. Percentage of Hired human labour hours to total human labour hours under Turmeric

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	48.03	0	48.03
2	Kollam	77.36	0	77.36
3	Pathanamthitta	44.93	0	44.93
4	Alappuzha	26.44	0	26.44
5	Kottayam	50.05	0	50.05
6	Idukki	93.27	0	93.27
7	Ernakulam	53.43	19.17	72.6
8	Thrissur	39.26	12.17	51.43
9	Palakkad	16.27	47.08	63.35
10	Malappuram	38.77	20.12	58.89
11	kozhikode	49.9	13.47	63.37
12	Wayanad	15.12	17.34	32.46
13	Kannur	40.93	10.54	51.47
14	Kasaragod	14.78	17.15	31.93
	State	43.98	11.95	55.93

A3.11. Percentage of Hired human labour hours to total human labour hours under Pineapple

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	81	0	81
2	Kollam	82.43	0	82.43
3	Pathanamthitta	80.67	0	80.67
4	Alappuzha	53.17	22.66	75.83
5	Kottayam	61.51	3.22	64.73
6	Idukki	89.41	8.76	98.17
7	Ernakulam	81.31	12.31	93.62
8	Thrissur	89.5	7.46	96.96
9	Palakkad	85.37	14.63	100
10	Malappuram	92.34	3.15	95.49
11	kozhikode	61.13	16.13	77.26
12	Wayanad			0
13	Kannur	64.22	30.8	95.02
14	Kasaragod	43.52	54.64	98.16
	State	76.08	11.67	87.75

A3.12. Percentage of Hired human labour hours to total human

labour hours under Bitter Gourd - Autumn

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	33.31	0	33.31
2	Kollam	44.84	0.19	45.03
3	Pathanamthitta	50.95	0	50.95
4	Alappuzha	24.85	3.84	28.69
5	Kottayam	39.52	3.3	42.82
6	Idukki			0
7	Ernakulam	36.88	9.25	46.13
8	Thrissur	45	17.74	62.74
9	Palakkad	23.74	40.73	64.47
10	Malappuram	45.94	1.48	47.42
11	kozhikode	41.01	0	41.01
12	Wayanad			0
13	Kannur	43.29	17	60.29
14	Kasaragod			0
	State	38.36	11.82	50.18

A3.13. Percentage of Hired human labour hours to total human

labour hours under Bitter Gourd - Winter

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	36.62	0	36.62
2	Kollam	50.77	0	50.77
3	Pathanamthitta	39.18	0	39.18
4	Alappuzha	22.98	0	22.98
5	Kottayam	29.6	1.7	31.3
6	Idukki	17.63	30.33	47.96
7	Ernakulam	67.5	2.07	69.57
8	Thrissur	27.85	9.31	37.16
9	Palakkad	21.64	42.32	63.96
10	Malappuram	38.2	0	38.2
11	kozhikode	27.38	0	27.38
12	Wayanad	0	0	0
13	Kannur	22.78	34.19	56.97
14	Kasaragod	9.52	7.16	16.68
	State	29.71	11.49	41.20

A3.14. Percentage of Hired human labour hours to total human labour hours under Bitter Gourd - Summer

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	45.01	0	45.01
2	Kollam	61.03	0	61.03
3	Pathanamthitta	40.39	0	40.39
4	Alappuzha	32.68	0.83	33.51
5	Kottayam	39.41	0	39.41
6	Idukki	30.08	38.99	69.07
7	Ernakulam	52.29	9.66	61.95
8	Thrissur	38	12.29	50.29
9	Palakkad	50.7	10.93	61.63
10	Malappuram	15.82	0	15.82
11	kozhikode	15.83	1.78	17.61
12	Wayanad	6.52	0	6.52
13	Kannur	24.8	0	24.8
14	Kasaragod	9.38	8.33	17.71
	State	39.26	5.64	44.9

A3.15. Percentage of Hired human labour hours to total human labour hours under Cowpea - Autumn

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	42.35	0	42.35
2	Kollam	52.97	0	52.97
3	Pathanamthitta	47.5	0	47.5
4	Alappuzha	22.21	5.62	27.83
5	Kottayam	40.53	2.94	43.47
6	Idukki			0
7	Ernakulam	29.51	5.39	34.9
8	Thrissur	27.44	8.3	35.74
9	Palakkad	13.69	46.36	60.05
10	Malappuram	30.08	1.76	31.84
11	kozhikode	19.35	20.36	39.71
12	Wayanad			0
13	Kannur	33.36	12.71	46.07
14	Kasaragod			0
	State	34.08	8.83	42.91

A3.16. Percentage of Hired human labour hours to total human labour hours under Cowpea - Winter

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	35.49	0	35.49
2	Kollam	61.63	0	61.63
3	Pathanamthitta	39.15	0	39.15
4	Alappuzha	16.3	0	16.3
5	Kottayam	37.75	2.62	40.37
6	Idukki	31.99	42.15	74.14
7	Ernakulam	48.77	9.84	58.61
8	Thrissur	31.61	5.74	37.35
9	Palakkad	9.72	53.33	63.05
10	Malappuram	29.96	0	29.96
11	kozhikode	10.38	0	10.38
12	Wayanad	6.07	9.77	15.84
13	Kannur	43.35	10.64	53.99
14	Kasaragod	10.6	11.68	22.28
	State	30.85	10.82	41.67

A3.17. Percentage of Hired human labour hours to total human labour hours under Cowpea - Summer

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	36.1	0	36.1
2	Kollam	64.24	0	64.24
3	Pathanamthitta	36.95	0	36.95
4	Alappuzha	24.73	0.71	25.44
5	Kottayam	40.83	0	40.83
6	Idukki	21.26	20.11	41.37
7	Ernakulam	27.8	6.36	34.16
8	Thrissur	36.18	8.94	45.12
9	Palakkad	22.22	7.41	29.63
10	Malappuram	24.64	0	24.64
11	kozhikode	21.35	1.62	22.97
12	Wayanad	12.66	8.25	20.91
13	Kannur	20.55	0	20.55
14	Kasaragod	11.24	10.84	22.08
	State	32.51	3.19	35.70

A3.18. Percentage of Hired human labour hours to total human labour hours under Cardamom

Sl.No	District	Male	Female	Total
1	Idukki	86.36	1.57	87.93
2	Palakkad	11.09	70.75	81.84
3	Wayanad	15.38	51.28	66.66
	State	20.69	56.28	76.97

A3.19. Percentage of Hired human labour hours to total human labour hours under Ash Gourd – Autumn

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram			0
2	Kollam	32.77	0	32.77
3	Pathanamthitta	36.28	0	36.28
4	Alappuzha	0	0	0
5	Kottayam	41.73	0	41.73
6	Idukki			0
7	Ernakulam			0
8	Thrissur	15.79	4.51	20.3
9	Palakkad	42.54	24.21	66.75
10	Malappuram	63.8	0	63.8
11	kozhikode	0	0	0
12	Wayanad			0
13	Kannur	36.48	18.3	54.78
14	Kasaragod			0
	State	35.84	11.36	47.2

A3.20. Percentage of Hired human labour hours to total human labour hours under Ash Gourd – Winter

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram			0
2	Kollam	58.62	0	58.62
3	Pathanamthitta	49.23	0	49.23
4	Alappuzha	16	29.33	45.33
5	Kottayam	50.78	0	50.78
6	Idukki	29.46	0	29.46
7	Ernakulam	0	0	0
8	Thrissur	22.22	4.68	26.9
9	Palakkad	11.88	3.13	15.01
10	Malappuram	42.77	0	42.77
11	kozhikode	7.59	0	7.59
12	Wayanad	0	0	0
13	Kannur	29.8	4.93	34.73
14	Kasaragod	9.19	17.78	26.97
	State	20.73	7.08	27.81

A3.21. Percentage of Hired human labour hours to total human labour hours under Ash Gourd – Summer

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram			0
2	Kollam	71.25	0	71.25
3	Pathanamthitta	58.51	0	58.51
4	Alappuzha	4.2	0.86	5.06
5	Kottayam	46.75	0	46.75
6	Idukki			0
7	Ernakulam	41.67	0	41.67
8	Thrissur	30.35	5.86	36.21
9	Palakkad	28.07	0	28.07
10	Malappuram	17.97	0	17.97
11	kozhikode	5.43	0	5.43
12	Wayanad	0	0	0
13	Kannur	19.44	2.43	21.87
14	Kasaragod	2.5	13.66	16.16
	State	12.95	2.57	15.52

A3.22. Percentage of Hired human labour hours to total human labour hours under Cucumber – Autumn

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	23.8	0	23.8
2	Kollam	76.67	0	76.67
3	Pathanamthitta	42.78	2.19	44.97
4	Alappuzha	30.13	0	30.13
5	Kottayam	27.53	0	27.53
6	Idukki			0
7	Ernakulam	85.37	0	85.37
8	Thrissur	14.44	2.89	17.33
9	Palakkad	24.06	8.02	32.08
10	Malappuram	35.46	0	35.46
11	kozhikode	27.72	0	27.72
12	Wayanad			0
13	Kannur	53.38	10.15	63.53
14	Kasaragod			0
	State	30.8	2.22	33.02

A3.23. Percentage of Hired human labour hours to total human labour hours under Cucumber – Winter

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	41.53	0	41.53
2	Kollam	51.65	0	51.65
3	Pathanamthitta	21.88	0	21.88
4	Alappuzha	0	0	0
5	Kottayam	35.34	0	35.34
6	Idukki	21.15	0	21.15
7	Ernakulam	68.23	6.77	75
8	Thrissur	31.95	2.56	34.51
9	Palakkad	13.55	2.58	16.13
10	Malappuram	65.19	0	65.19
11	kozhikode	6.58	0	6.58
12	Wayanad	0	0	0
13	Kannur	27.79	14.49	42.28
14	Kasaragod	13.35	14.17	27.52
	State	31.68	5.44	37.12

A3.24. Percentage of Hired human labour hours to total human labour hours under Cucumber – Summer

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	42.03	0	42.03
2	Kollam	71.26	0	71.26
3	Pathanamthitta	12.3	0	12.3
4	Alappuzha	10.04	0.46	10.5
5	Kottayam	35.71	0	35.71
6	Idukki			0
7	Ernakulam	43.83	3.23	47.06
8	Thrissur	28.93	5.58	34.51
9	Palakkad			0
10	Malappuram	22.67	0.56	23.23
11	kozhikode	17.04	0	17.04
12	Wayanad	14.93	0	14.93
13	Kannur	23.78	2.63	26.41
14	Kasaragod	19.59	24.34	43.93
	State	22.47	5.22	27.69

A3.25. Percentage of Hired human labour hours to total human labour hours under Snake Gourd – Autumn

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	43.93	0	43.93
2	Kollam	48.21	0	48.21
3	Pathanamthitta	43.06	0	43.06
4	Alappuzha	19.04	5.08	24.12
5	Kottayam	36.75	1.03	37.78
6	Idukki			0
7	Ernakulam	25.97	6.15	32.12
8	Thrissur	40.64	7.43	48.07
9	Palakkad	13.76	31.78	45.54
10	Malappuram	22.4	0	22.4
11	kozhikode	22.95	0	22.95
12	Wayanad			0
13	Kannur	20.37	11.77	32.14
14	Kasaragod			0
	State	33.81	5.35	39.16

A3.26. Percentage of Hired human labour hours to total human labour hours under Snake Gourd – Winter

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	27.13	0	27.13
2	Kollam	56.56	0	56.56
3	Pathanamthitta	31.67	0	31.67
4	Alappuzha	21.55	3.48	25.03
5	Kottayam	34.94	0	34.94
6	Idukki	3.56	0	3.56
7	Ernakulam	50.26	0	50.26
8	Thrissur	61.51	1.28	62.79
9	Palakkad	11.99	34.02	46.01
10	Malappuram	35.38	0	35.38
11	kozhikode	16.59	0	16.59
12	Wayanad	0	0	0
13	Kannur	15.4	11.28	26.68
14	Kasaragod			0
	State	36.72	3.75	40.47

A3.27. Percentage of Hired human labour hours to total human labour hours under Snake Gourd – Summer

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	34.28	0	34.28
2	Kollam	65.02	0	65.02
3	Pathanamthitta	39.35	0	39.35
4	Alappuzha	18.31	0.52	18.83
5	Kottayam	38.07	0	38.07
6	Idukki	0	0	0
7	Ernakulam	48.34	4.48	52.82
8	Thrissur	42.09	1.65	43.74
9	Palakkad	36.89	9.06	45.95
10	Malappuram	14.42	0	14.42
11	kozhikode	9.4	0	9.4
12	Wayanad			0
13	Kannur	0	0	0
14	Kasaragod	20.34	15.25	35.59
	State	34.28	0.92	35.2

A3.28. Percentage of Hired human labour hours to total human labour hours under Ladies Finger – Autumn

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	41.87	0	41.87
2	Kollam	32.37	0	32.37
3	Pathanamthitta	29.66	2.76	32.42
4	Alappuzha	45.9	24.04	69.94
5	Kottayam	49.4	2	51.4
6	Idukki			0
7	Ernakulam	31.54	0	31.54
8	Thrissur	7.53	5.18	12.71
9	Palakkad	4.85	36.45	41.3
10	Malappuram	16.69	6.83	23.52
11	kozhikode	8.13	0	8.13
12	Wayanad			0
13	Kannur	34.84	4.14	38.98
14	Kasaragod			0
	State	21.98	13.19	35.17

A3.29. Percentage of Hired human labour hours to total human labour hours under Ladies Finger – Winter

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	44.48	0	44.48
2	Kollam	49.29	0	49.29
3	Pathanamthitta	65.74	1.99	67.73
4	Alappuzha	29.7	0	29.7
5	Kottayam	50	0	50
6	Idukki			0
7	Ernakulam	33.59	0	33.59
8	Thrissur	29.95	7.46	37.41
9	Palakkad	10.5	45.94	56.44
10	Malappuram	19.84	0	19.84
11	kozhikode	14.26	0	14.26
12	Wayanad	19.51	0	19.51
13	Kannur	14.6	0	14.6
14	Kasaragod	7.35	6.23	13.58
	State	23.82	13.77	37.59

A3.30. Percentage of Hired human labour hours to total human labour hours under Ladies Finger – Summer

Sl.No	District	Male	Female	Total
1	Thiruvananthapuram	51.99	0	51.99
2	Kollam	16.67	0	16.67
3	Pathanamthitta	74.73	0	74.73
4	Alappuzha	19.39	1.96	21.35
5	Kottayam	32.33	0	32.33
6	Idukki	0	0	0
7	Ernakulam	22.19	1.29	23.48
8	Thrissur	35.41	8.12	43.53
9	Palakkad	0	0	0
10	Malappuram	33.05	0	33.05
11	kozhikode	26.16	0	26.16
12	Wayanad			0
13	Kannur	28.82	0	28.82
14	Kasaragod	15.25	13.06	28.31
	State	27.55	4.66	32.21

A3.31. Percentage of Hired human labour hours to total human labour hours under Cabbage – Autumn

Sl.No	District	Male	Female	Total
1	Idukki	51.58	33.26	84.84
	State	51.58	33.26	84.84

A3.32. Percentage of Hired human labour hours to total human labour hours under Cabbage – Winter

Sl.No	District	Male	Female	Total
1	Idukki	47.93	36.48	84.41
2	Wayanad	17.65	0	17.65
	State	46.53	34.8	81.33

A3.33. Percentage of Hired human labour hours to total human labour hours under Cabbage – Summer

Sl.No	District	Male	Female	Total
1	Idukki	61.46	33.91	95.37
2	Wayanad	18.39	0	18.39
	State	59.18	32.12	91.3

A3.34. Percentage of Hired human labour hours to total human labour hours under Carrot- Autumn

Sl.No	District	Male	Female	Total
1	Idukki	44.39	43.27	87.66
	State	44.39	43.27	87.67

A3.35. Percentage of Hired human labour hours to total human labour hours under Carrot – Winter

Sl.No	District	Male	Female	Total
1	Idukki	65.85	34.15	100
	State	65.85	34.15	100

A3.36. Percentage of Hired human labour hours to total human labour hours under Carrot – Summer

Sl.No	District	Male	Female	Total
1	Idukki	48.79	43.85	92.64
	State	48.79	43.85	92.64

A3.37. Percentage of Hired human labour hours to total human labour hours under Potato – Autumn

Sl.No	District	Male	Female	Total
1	Idukki	49.39	40.3	89.69
	State	49.39	40.3	89.69

A3.38. Percentage of Hired human labour hours to total human labour hours under Potato – Winter

Sl.No	District	Male	Female	Total
1	Idukki	65.8	28.25	94.05
	State	65.8	28.25	94.05

A3.39. Percentage of Hired human labour hours to total human labour hours under Beans- Autumn

Sl.No	District	Male	Female	Total
1	Idukki	46.71	44.51	91.22
	State	46.71	44.51	91.22

A3.40. Percentage of Hired human labour hours to total human labour hours under Beans – Winter

Sl.No	District	Male	Female	Total
1	Idukki	62.9	35	97.9
2	Wayanad	17.09	0	17.09
	State	58.73	31.82	90.55

A3.41. Percentage of Hired human labour hours to total human labour hours under Beans – Summer

Sl.No	District	Male	Female	Total
1	Idukki	52.13	43.81	95.94
2	Wayanad	19.05	0	19.05
	State	51.25	42.66	93.91

A3.42. Percentage of Hired human labour hours to total human labour hours under Garlic- Autumn

Sl.No	District	Male	Female	Total
1	Idukki	47.67	37.25	84.92
	State	47.67	37.25	84.92

A3.43. Percentage of Hired human labour hours to total human labour hours under Tomato- Autumn

Sl.No	District	Male	Female	Total
1	Pathanamthitta	68.97	0	68.97
2	Palakkad	4.36	45.39	49.75
	State	5.5	44.59	50.09

A3.44. Percentage of Hired human labour hours to total human labour hours under Tomato- Winter

Sl.No	District	Male	Female	Total
1	Kollam	68.97	0	68.97
2	Palakkad	100	0	100
3	Wayand	14.97	0	14.97
	State	9.43	57.28	66.71

A3.45. Percentage of Hired human labour hours to total human labour hours under Tomato- Summer

Sl.No	District	Male	Female	Total
1	Palakkad	10.14	62.39	72.53
2	Wayanad	8.89	0	8.89
	State	9.81	58.5	68.31

A4. 1 District Wise Value of Product and by – product per hectare (in Rs) Of Autumn Paddy

Sl.No	District	Product	By Product	Total
1	Thiruvananthapuram	109192	41727	150919
2	Kollam	103347	28245	131592
3	Pathanamthitta	103100	12352	115452
4	Alappuzha	95954		95954
5	Kottayam	141194	1332	142525
6	Idukki	87995	9107	97101
7	Ernakulam	102113	10404	112517
8	Thrissur	83984		83984
9	Palakkad	141635	2556	144191
10	Malappuram	83989	5650	89639
11	kozhikode	52657	43371	96028
12	Wayanad			
13	Kannur	82549	39014	121563
14	Kasaragod	90982	33718	124700
	State	101446	9686	111132

A4. 2 District Wise Value of Product and by – product per hectare (in Rs) Of Winter Paddy

Sl.No	District	Product	By Product	Total
1	Thiruvananthapuram	124867	41319	166186
2	Kollam	109059	24111	133170
3	Pathanamthitta	92749	16113	108863
4	Alappuzha	95822	2672	98495
5	Kottayam	145610	556	146165
6	Idukki	74145	10663	84808
7	Ernakulam	106012	9872	115884
8	Thrissur	112126	9279	121405
9	Palakkad	143007	26364	169371
10	Malappuram	105332	24877	130209
11	kozhikode	49374	41625	90999
12	Wayanad	104736	22485	127221
13	Kannur	85580	42145	127724
14	Kasaragod	80851	32588	113438
	State	103905	16208	120113

A4.3 District Wise Value of Product and by – product per hectare (in Rs) Of Summer Paddy

Sl.No	District	Product	By Product	Total
1	Thiruvananthapuram	124403	47559	171962
2	Kollam	131710	45411	177121
3	Pathanamthitta	89853	5207	95060
4	Alappuzha	107051	3764	110816
5	Kottayam	71515	7	71522
6	Idukki	98960	12077	111037
7	Ernakulam	104437	9379	113816
8	Thrissur	138798	6040	144838
9	Palakkad	151168	16681	167848
10	Malappuram	131117	14386	145503
11	kozhikode	70199	31473	101672
12	Wayanad	158856	15063	173919
13	Kannur	110839	24007	134846
14	Kasaragod	87212	32838	120050
	State	102597	8754	111351

A4.4 District Wise Value of Product and by – product per hectare (in Rs) Of Coconut

Sl.No	District	Product	By Product	Total
1	Thiruvananthapuram	208140	2057	210197
2	Kollam	124264	199	124463
3	Pathanamthitta	177455	1108	178563
4	Alappuzha	182971	1395	184366
5	Kottayam	127831		127831
6	Idukki	122848		122848
7	Ernakulam	188190	231	188422
8	Thrissur	139511	3295	142806
9	Palakkad	197713	5665	203378
10	Malappuram	182789	14628	197418
11	kozhikode	122176	7229	129405
12	Wayanad	153120		153120
13	Kannur	144976	6627	151603
14	Kasaragod	149972	1592	151565
	State	159165	4385	163550

A4. 5 District Wise Value of Product and by – product per hectare (in Rs) Of Arecanut

Sl.No	District	Arecanut
1	Thiruvananthapuram	108400
2	Kollam	162546
3	Pathanamthitta	233821
4	Alappuzha	187299
5	Kottayam	266800
6	Idukki	82584
7	Ernakulam	505280
8	Thrissur	324182
9	Palakkad	418244
10	Malappuram	310297
11	kozhikode	359233
12	Wayanad	256597
13	Kannur	474441
14	Kasaragod	805607
	State	390168

A4. 6 District Wise Value of Product and by – product per hectare (in Rs) Of Tapioca

Sl.No	District	Product	By Product	Total
1	Thiruvananthapuram	403591	10842	414432
2	Kollam	307998	4179	312177
3	Pathanamthitta	401159	9444	410602
4	Alappuzha	475009	4304	479312
5	Kottayam	369899	1889	371788
6	Idukki	235254		235254
7	Ernakulam	481657	3643	485300
8	Thrissur	269887	409	270296
9	Palakkad	347796	10678	358475
10	Malappuram	311669	2315	313984
11	kozhikode	351032	8566	359598
12	Wayanad	121828		121828
13	Kannur	436440	4355	440795
14	Kasaragod	297869		297869
	State	364670	4706	369376

A4. 7 District Wise Value of Product and by – product per hectare (in Rs) Of Banana

Sl.No	District	Product	By Product	Total
1	Thiruvananthapuram	645273	18823	664096
2	Kollam	519379	23299	542678
3	Pathanamthitta	525560	20086	545646
4	Alappuzha	622875	868	623743
5	Kottayam	569665	9628	579293
6	Idukki	451599		451599
7	Ernakulam	487974	2804	490779
8	Thrissur	602060	14519	616579
9	Palakkad	614877	7490	622366
10	Malappuram	820532	9762	830294
11	kozhikode	896381	55195	951576
12	Wayanad	394873		394873
13	Kannur	883042	5890	888932
14	Kasaragod	705161	19047	724207
	State	613880	12940	626820

A4. 8 District Wise Value of Product and by – product per hectare (in Rs) Of Pepper, Ginger and Turmeric

Sl.No	District	Pepper	Ginger	Turmeric
1	Thiruvananthapuram	248857	940192	414319
2	Kollam	264886	379560	200918
3	Pathanamthitta	280742	408732	184108
4	Alappuzha	222416	547755	495302
5	Kottayam	321845	296684	232587
6	Idukki	97343	273089	252398
7	Ernakulam	202501	435576	502083
8	Thrissur	274281	345870	332986
9	Palakkad	246378	637077	616327
10	Malappuram	125865	170345	152550
11	kozhikode	240526	371930	209601
12	Wayanad	148769	406867	215317
13	Kannur	357399	342170	225172
14	Kasaragod	322523	353203	390819
	State	230770	452175	291072

A4.9 District Wise Value of Product and by – product per hectare (in Rs) Of Pineapple

Sl.No	District	Product	By Product	Total
1	Thiruvananthapuram	453492	111150	564642
2	Kollam	269345	19927	289272
3	Pathanamthitta	156445	15055	171500
4	Alappuzha	348256	23449	371705
5	Kottayam	450775	29088	479863
6	Idukki	240260		240260
7	Ernakulam	476281	15351	491633
8	Thrissur	318308	3705	322013
9	Palakkad	459466	91481	550947
10	Malappuram	378496	34864	413361
11	kozhikode	543446	32248	575694
12	Wayanad			
13	Kannur	300538	1050	301587
14	Kasaragod	498000	2450	500451
	State	401235	19218	420453

A4. 10 District Wise Value of Product and by – product per hectare (in Rs) Of Bitter Gourd

Sl.No	District	Autumn	Winter	Summer
1	Thiruvananthapuram	604474	535877	566634
2	Kollam	431852	418296	446661
3	Pathanamthitta	332797	413753	323639
4	Alappuzha	277541	655646	463300
5	Kottayam	352250	376031	403893
6	Idukki		252979	281333
7	Ernakulam	219001	286489	275297
8	Thrissur	276365	367297	320645
9	Palakkad	431098	650546	393990
10	Malappuram	252973	187209	302189
11	kozhikode	325052	350337	230717
12	Wayanad		249902	194142
13	Kannur	295615	357266	350602
14	Kasaragod		411382	394571
	State	344280	402864	363851

A4. 11 District Wise Value of Product and by – product per hectare (in Rs) Of Cowpea

Sl.No	District	Autumn	Winter	Summer
1	Thiruvananthapuram	536573	544183	527320
2	Kollam	456023	374998	377987
3	Pathanamthitta	343075	384951	340736
4	Alappuzha	476513	772106	522777
5	Kottayam	317821	349276	362215
6	Idukki		172294	162955
7	Ernakulam	363675	302079	304503
8	Thrissur	305160	330538	316998
9	Palakkad	390069	400832	151287
10	Malappuram	194287	249223	231424
11	kozhikode	169996	292715	225518
12	Wayanad		418156	298106
13	Kannur	401692	382674	500022
14	Kasaragod		409532	345420
	State	345676	361985	348685

A4.12 District Wise Value of Product and by – product per hectare (in Rs) Of Cardamom

Sl.No	District	Product
1	Idukki	256112
2	Palakkad	468994
3	Wayanad	278850
	State	357523

A4.13. District Wise Value of Product and by – product per hectare (in Rs) Of Ash Gourd

Sl.No	District	Autumn	Winter	Summer
1	Thiruvananthapuram			
2	Kollam	741000	526456	2165513
3	Pathanamthitta	135331	375131	672389
4	Alappuzha	200873	582920	209490
5	Kottayam	225840	105963	180112
6	Idukki		385320	
7	Ernakulam		151905	195624
8	Thrissur	196759	202848	199769
9	Palakkad	149386	349674	235268
10	Malappuram	108801	148415	234241
11	kozhikode	414861	391713	377669
12	Wayanad		207480	192660
13	Kannur	306874	336933	373479
14	Kasaragod		287441	266060
	State	187464	249781	308007

A4. 14 District Wise Value of Product and by – product per hectare (in Rs) Of Cucumber

Sl.No	District	Autumn	Winter	Summer
1	Thiruvananthapuram	513786	377140	325065
2	Kollam	143260	144166	523146
3	Pathanamthitta	175946	298237	138058
4	Alappuzha	224936	594782	454282
5	Kottayam	122401	254659	147818
6	Idukki		88920	
7	Ernakulam	178592	180994	172058
8	Thrissur	164738	196985	183867
9	Palakkad	69160	152905	
10	Malappuram	117897	62597	128632
11	kozhikode	438919	314184	271355
12	Wayanad		205347	200070
13	Kannur	260153	259799	290079
14	Kasaragod		224136	222000
	State	254016	215463	231026

A4.15 District Wise Value of Product and by – product per hectare (in Rs) Of Snake Gourd

Sl.No	District	Autumn	Winter	Summer
1	Thiruvananthapuram	536369	363099	315050
2	Kollam	630880	629699	422981
3	Pathanamthitta	254468	384261	241496
4	Alappuzha	281084	682219	483707
5	Kottayam	318379	347616	294823
6	Idukki		245208	187602
7	Ernakulam	225094	154122	195072
8	Thrissur	214960	237494	208590
9	Palakkad	352192	411141	187720
10	Malappuram	190134	242993	272382
11	kozhikode	414870	444600	241188
12	Wayanad		286520	
13	Kannur	237079	361126	417842
14	Kasaragod			436155
	State	315524	334716	300453

A4.16. District Wise Value of Product and by – product per hectare (in Rs) Of Ladies Finger

Sl.No	District	Autumn	Winter	Summer
1	Thiruvananthapuram	812037	1227496	530340
2	Kollam	336037	227858	253886
3	Pathanamthitta	152391	244071	233245
4	Alappuzha	469959	679490	489872
5	Kottayam	183491	198385	212100
6	Idukki			227703
7	Ernakulam	192193	168809	187221
8	Thrissur	190409	224652	276712
9	Palakkad	230263	227307	155610
10	Malappuram	192604	236302	289829
11	kozhikode	140683	364292	336067
12	Wayanad		101888	
13	Kannur	266286	256788	314095
14	Kasaragod		282180	301393
	State	270683	309132	305643

A4.17. District Wise Value of Product and by – product per hectare (in Rs) Of Cabbage

Sl.No	District	Autumn	Winter	Summer
1	Idukki	310255	289492	358108
2	Wayanad		111809	197600
	State	310255	283379	347885

A4.18. District Wise Value of Product and by – product per hectare (in Rs) Of Carrot

Sl.No	District	Autumn	Winter	Summer
1	Idukki	261927	232324	289255
	State	261927	232324	289255

A4.19. District Wise Value of Product and by – product per hectare (in Rs) Of Potato

Sl.No	District	Autumn	Winter
1	Idukki	205488	230978
	State	205488	230978

A4.20. District Wise Value of Product and by – product per hectare (in Rs) Of Beans

Sl.No	District	Autumn	Winter	Summer
1	Idukki	227591	267477	272877
2	Wayanad		112914	217360
	State	227591	256504	271893

A4.21. District Wise Value of Product and by – product per hectare (in Rs) Of Garlic – Autumn

Sl.No	District	Product
1	Idukki	383386
	State	383386

A4.22. District Wise Value of Product and by – product per hectare (in Rs) Of Tomato

Sl.No	District	Autumn	Winter	Summer
1	Pathanamthitta	112171	265278	
2	Palakkad	287495	267554	317106
3	Kozhikode		148200	217360
4	Wayanad		131919	147953
5	State	283385	260521	310910