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INDICATIVE  
**COST-BENEFIT ANALYSIS**  
OF  
**CROPS**  
**Agricultural & Horticultural crops**

DR. SUSANTA RANJAN DASH

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## INDICATIVE COST BENEFIT ANALYSIS OF CROPS

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Published by : Nature's Agro Care  
Jagamara, Bhubaneswar

First published : 2007

Second revised edition : 2013

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Price: Rs.250/- (Rupees Two hundred fifty) only

### **Rate of inputs used**

Labour @Rs.126.00 per day

N: 12.37 per Kg

P<sub>2</sub>O<sub>5</sub>: Rs.47.80 per Kg

K<sub>2</sub>O: Rs.27.00 per Kg

Biofertilizers: Rs.80.00 per Kg

Chloropyriphos 20 EC : Rs.280 per litre

Compost: Rs.12.00 per cft

Garden soil: Rs.8.00 per cft

Polythene: Rs.138.00 per Kg

Oil cake: Rs.1800 per quintal

Micronutrient: Rs.250.00 per Kg

Seed treatment chemical: Rs.800.00 per kg

Caution: The costs and returns mentioned are indicative only. They should not be treated as real, as agricultural production and cost depends upon many factors and involves risk.

## PREFACE

Agriculture is the back bone of Indian economy. About 24% of GDP comes from agricultural sector. However financing agriculture thought to be risky.

Many a time's farmers, entrepreneurs, youths are in dilemma what to grow and what will be the benefit out of it. Bankers and other financiers fear to finance agricultural projects.

An attempt has been made to gather some relevant information and produce them in a compiled form related to the cultivation expenditure, gross income and net income from cultivation (Both indicative) for about 26 field crops, 18 fruit crops, 16 spices and aromatic plants, 8 ornamental crops, 33 medicinal crops, 6 plantation crops, quality planting material production, protected cultivation, mushrooms, preserved products, protected cultivation etc. utmost care has been taken to provide relevant information after consultation with experts, innovative farmers and suitable literature.

The information dealt here in should be taken as indicative one ( should not be considered as acual) as agricultural production, expenditure and sale price depend on various factors like location, season, climatic condition, variety, soil factors, incidence of dises and pests, labour rate, labour skill, management, cultural practices followed, maket demand and supply, quality, rate of input and produce, irrigation source, methos and othe biotic and abiotic factors.

The net profit estimated found to be marginal in certain crops. That crop may not be taken up as a commercial venture but should not be discouraged any where. The profit may be less at present market price but the farmer earns a lot by getting employment opportunities for himself and his/her family members as well as green coverage over mother earth and maintaining biodiversity.

This book will be beneficial to advanced farmers and entrepreneurs for analyzing and taking up new crops or projects. Financial and consulting organizations, Agriculture, Horticulture depatments and NGO frins may use this book as a reference during preparation, processing and financing agricultural projects. Constuctive and valuable suggestions will be taken into consideration during subsequaent publications.

**Dr. Susanta Ranjan Dash**

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4	Bitter gourd	28	17	Cellery	32	30	Sweet potato	35	43	Spine gourd	38
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8	Sweet corn	29	21	Chinese cabbage	33	34	Snake gourd	36	47	Sponge gourd	39
9	Okra	29	22	Brucels Sprout	33	35	Summer squash	36	48	Bottle gourd	39
10	Beet	30	23	Onion	33	36	Tinda	36	49	Watermelon	40
11	Carrot	30	24	Cauliflower	34	37	Cowpea	37	50	Muskmelon	40
12	Radish	30	25	Cabbage	34	38	Bodi	37	51	Pumpkin	40
13	Brinjal	31	26	Knol khol	34	39	French bean	37			





Rice ( <i>Oryza sativa</i> )																						
Area -1ha		Extra Early (Kharif)				Early (Kharif)			Medium & Late (Kha)			Early & Medium (Rabi)			Scented			Superfine				
		Direct sown crop				Direct sown crop			Transplanted crop			Transplanted crop			Transplanted crop			Transplanted crop				
SI	Components of cost		Spacing:15 X10 cm				Spacing:15 X10 cm			Spacing:20X10-15cm			Spacing:20X10-15cm			Spacing:20X10-15cm			Spacing:20X10-15cm			
No		Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)		
<b>A. LABOUR</b>																						
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500		
2	Tractor for carrying & threshing	Hrs	3	500	1500	3	500	1500	4	500	2000	4	500	2000	3	500	1500	3	500	1500		
3	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630		
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630		
5	Seed treatment & sowing	MD	2	126	252	2	126	252	1	126	126	1	126	126	1	126	126	1	126	126		
6	Nursery management	MD							2	126	252	2	126	252	2	126	252	2	126	252		
7	Uprooting & Transplanting	MD							50	126	6300	50	126	6300	50	126	6300	50	126	6300		
8	Hand weeding	MD	20	126	2520	25	126	3150	20	126	2520	15	126	1890	20	126	2520	20	126	2520		
9	Disgrouping	MD				15	126	1890														
10	Irrigation (Need based)	MD							2	126	252	8	126	1008	2	126	252	2	126	252		
11	Beusaning / Bida / nursery bed preparation with bullock plough	Nos	5	250	1250	5	250	1250	1	250	250	1	250	250	1	250	250	1	250	250		
12	Application of PP chemicals & weedicide	MD	8	126	1008	8	126	1008	10	126	1260	10	126	1260	10	126	1260	10	126	1260		
13	Application of fertilizer & micronutrients	MD	2	126	252	2	126	252	2	126	252	2	126	252	2	126	252	2	126	252		
14	Cutting, bundling, loading & unloading	MD	33	126	4158	38	126	4788	45	126	5670	45	126	5670	48	126	6048	48	126	6048		
15	Bundling, loading & unloading of straw	MD							16	126	2016	20	126	2520								
16	Threshing, winnowing, bagging and storing	MD	20	126	2520	20	126	2520	27	126	3402	27	126	3402	25	126	3150	25	126	3150		
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>95</b>		<b>13220</b>	<b>120</b>		<b>16370</b>	<b>185</b>		<b>23560</b>	<b>190</b>		<b>24190</b>	<b>170</b>		<b>21670</b>	<b>170</b>		<b>21670</b>		
<b>B. INPUTS</b>																						
1	Cost of seeds	Kg	75	13.5	1012.5	60	13.5	810	60	13.5	810	60	13.5	810	60	20	1200	60	20	1200		
2	Seed treating chemical @ 3g/kg	g	225	0.8	180	180	0.8	144	180	0.8	144	180	0.8	144	180	0.8	144	180	0.8	144		
3	Manure / Compost	MT	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000		
4	Biofertilizers(Azotobactor +PSB)	Kg	0.2	80	16	0.2	80	16	0.2	80	16	0.2	80	16	0.2	80	16	0.2	80	16		
5	Fertilizers																					
	Nitrogen	Kg	40	12.37	495	60	12.37	742	80	12.37	990	80	12.37	990	60	12.37	742	80	12.37	990		
	Phosphorus	Kg	20	47.8	956	30	47.8	1434	40	47.8	1912	40	47.8	1912	30	47.8	1434	40	47.8	1912		
	Potassium	Kg	20	27	540	30	27	810	40	27	1080	40	27	1080	30	27	810	40	27	1080		
6	Micronutrients	Kg	3	100	300	3	100	300	3	100	300	3	100	300	3	100	300	3	100	300		
7	PP chemicals	Nos	2	600	1200	2	600	1200	2	600	1200	2	600	1200	2	600	1200	2	600	1200		
8	Irrigation charges	Hr							3	500	1500	16	500	8000	1	500	500	1	500	500		
9	Weedicide	Kg	1	800	800	1	800	800	1	800	800	1	800	800	1	800	800	1	800	800		
<b>SUB TOTAL - B</b>					<b>9499</b>			<b>10256</b>			<b>12752</b>			<b>19252</b>			<b>11146</b>			<b>12142</b>		
Miscellaneous / Contingency @10%					2281			2674			3688			4358			3284			3388		
<b>GRAND TOTAL</b>					<b>25000</b>			<b>29300</b>			<b>40000</b>			<b>47800</b>			<b>36100</b>			<b>37200</b>		
				Rate	Amount			Rate	Amount			Rate	Amount			Rate	Amount			Rate	Amount	
	Grain yield / ha	Qtl		30				35						60			40			35		
	Straw yield / ha	Qtl		42				47						70			52			47		
	Income from grain / ha	Rs		1310	39300			1310	45850					1350	81000		2000	80000			1800	63000
	Income from straw / ha	Rs		150	6300			150	7050					150	10500		150	7800			150	7050
	Gross income	Rs			45600				52900						91500			87800				70050
	Net income	Rs			20600				23600						43700			51700				32850



		Wheat ( <i>Triticum aestivum</i> )				Maize ( <i>Zea mays</i> )			Jowar ( <i>Sorghum bicolor</i> )			Barley ( <i>Hordeum vulgare</i> )			Bajra					
Area -1ha		Wheat (Rabi)-Irrigated				Maize (Kharif)			Maize (Summer)-Irr			Jowar (Kharif)			Bajra (Kharif)			Barley (Rabi)-Irrigated		
		Direct sown crop				Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop		
SI	Components of cost	Spacing:15-20X4-6cm				Spacing:60 X45 cm			Spacing: 50X25cm			Spacing:45X12-15cm			Spacing:45X10-15cm			Spacing:45X10-15cm		
No	A. LABOUR	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500
2	Tractor for carrying & threshing	Hrs	3	500	1500	1	500	500	1	500	500	3	500	1500	3	500	1500	3	500	1500
3	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
5	Seed treatment & sowing	MD	14	126	1764	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260
6	Sowing with bullock plough	Nos	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750
7	Hand weeding / thinning	MD	20	126	2520															
8	First hoeing, thinning & earthing up	MD				30	126	3780	25	126	3150	25	126	3150	25	126	3150	15	126	1890
9	Second hoeing, weeding & earthing up	MD				25	126	3150	20	126	2520	20	126	2520	20	126	2520	20	126	2520
10	Irrigation (Need based)	MD	9	126	1134				15	126	1890				5	126	630	5	126	630
11	Application of PP chemicals & weedicide	MD	7	126	882	10	126	1260	10	126	1260	5	126	630	5	126	630	5	126	630
12	Application of fertilizer & micronutrients	MD	2	126	252	5	126	630	5	126	630	1	126	126	5	126	630	1	126	126
13	Harvesting, loading & unloading	MD	35	126	4410	40	126	5040	40	126	5040	30	126	3780	30	126	3780	25	126	3150
14	Threshing, drying, winnowing, bagging and storing	MD	15	126	1890	40	126	5040	40	126	5040	19	126	2394	20	126	2520	19	126	2394
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>112</b>		<b>14862</b>	<b>170</b>		<b>22170</b>	<b>175</b>		<b>22800</b>	<b>120</b>		<b>15870</b>	<b>125</b>		<b>16500</b>	<b>110</b>		<b>14610</b>
<b>B. INPUTS</b>																				
1	Cost of seeds	Kg	125	18	2250	20	15	300	25	15	375	12.5	15	187.5	10	15	150	100	15	1500
2	Seed treating chemical @ 3g/kg	g	375	0.8	300	60	0.8	48	75	0.8	60	37.5	0.8	30	30	0.8	24	300	0.8	240
3	Manure / Compost	MT	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000
4	Biofertilizers(Azotobactor +PSB)	Kg	0.2	80	16	0.2	80	16	0.2	80	16	0.2	80	16	0.2	80	16	0.2	80	16
5	Fertilizers																			
	Nitrogen	Kg	80	12.37	990	80	12.37	990	80	12.4	990	60	12.37	742	60	12.37	742	40	12.37	495
	Phosphorus	Kg	50	47.8	2390	40	47.8	1912	40	47.8	1912	30	47.8	1434	30	47.8	1434	20	47.8	956
	Potassium	Kg	40	27	1080	40	27	1080	40	27	1080	30	27	810	30	27	810	20	27	540
6	Micronutrients	Kg	3	100	300	3	100	300	3	100	300									
7	PP chemicals	Nos	2	600	1200	2	600	1200	2	600	1200	1	600	600	1	600	600	1	600	600
8	Irrigation charges	Hr	6	500	3000				6	500	3000							3	75	225
9	Weedicide	Kg	1	800	800	1	800	800	1	800	800	1	800	800	1	800	800	1	800	800
<b>SUB TOTAL - B</b>					<b>16326</b>			<b>10646</b>			<b>13733</b>			<b>8620</b>			<b>8576</b>			<b>9372</b>
Miscellaneous / Contingency @10%					3112			3284			3667			2410			2524			2318
<b>GRAND TOTAL</b>					<b>34300</b>			<b>36100</b>			<b>40200</b>			<b>26900</b>			<b>27600</b>			<b>26300</b>

		Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
Grain yield / ha	Qtl		30		30		37.5		25		25
Income from grain / ha	Rs	1800	54000	1500	45000	1500	56250	1300	32500	1500	37500
Gross income	Rs		54000		45000		56250		32500		37500
Net income	Rs		19700		8900		16050		5600		9900



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		Ragi (Eleusine coracana)					Cotton (Gossypium spp)					Mesta (Hibiscus cannabinus)									
Area -1ha		Ragi (Kharif)			Cotton-Imp (Kharif)			Cotton-Hyb (Kharif)			Cotton-Imp (Rabi)			Cotton-Hyb (Rabi)			Mesta (Kharif)				
		Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop				
		Spacing:15-20X10 cm			Spacing:90 X60 cm			Spacing: 150X75 cm			Spacing: 60 X25 cm			Spacing:90X45 cm			Spacing:30 X10 cm				
Sl	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
<b>A. LABOUR</b>																					
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500	
2	Tractor for carrying & threshing	Hrs	3	500	1500	1	500	500	1	500	500	1	500	500	1	500	500	4	500	2000	
3	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
5	Seed treatment & sowing	MD	2	126	252	10	126	1260	10	126	1260	10	126	1260	10	126	1260	2	126	252	
6	Sowing with bullock plough	Nos	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750	
7	First hoeing, thinning & earthing up	MD	25	126	3150	20	126	2520	20	126	2520	20	126	2520	20	126	2520	35	126	4410	
8	Second hoeing, weeding & earthing up	MD	25	126	3150	25	126	3150	25	126	3150	25	126	3150	25	126	3150	20	126	2520	
9	Irrigation (Need based)	MD										15	126	1890	15	126	1890				
10	Application of PP chemicals & weedicide	MD	5	126	630	20	126	2520	20	126	2520	20	126	2520	20	126	2520	8	126	1008	
11	Application of fertilizer & micronutrients	MD	2	126	252	10	126	1260	10	126	1260	10	126	1260	10	126	1260	5	126	630	
12	Harvesting, loading & unloading	MD	25	126	3150	100	126	12600	110	126	13860	110	126	13860	110	126	13860	30	126	3780	
13	Post Harvest management	MD	13	126	1638	15	126	1890	15	126	1890	15	126	1890	15	126	1890	50	126	6300	
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>82</b>		<b>11082</b>	<b>210</b>		<b>27210</b>	<b>220</b>		<b>28470</b>	<b>235</b>		<b>30360</b>	<b>235</b>		<b>30360</b>	<b>160</b>		<b>20910</b>	
<b>B. INPUTS</b>																					
1	Cost of seeds	Kg	10	16.5	165	3	250	750	2	600	1200	3	250	750	2	600	1200	15	22	330	
2	Seed treating chemical @ 3g/kg	g	30	0.8	24	9	0.8	7.2	6	0.8	4.8	9	0.8	7.2	6	0.8	4.8	45	0.8	36	
3	Manure / Compost	MT	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000	
4	Biofertilizers(Azotobactor +PSB)	Kg	0.2	80	16	0.2	80	16	0.2	80	16	0.2	80	16	0.2	80	16	0.2	80	16	
5	Fertilizers																				
	Nitrogen	Kg	40	12.37	495	80	12.37	990	120	12.4	1484	80	12.37	990	120	12.37	1484	25	12.37	309	
	Phosphorus	Kg	20	47.8	956	40	47.8	1912	60	47.8	2868	40	47.8	1912	60	47.8	2868	20	47.8	956	
	Potassium	Kg	20	27	540	40	27	1080	60	27	1620	40	27	1080	60	27	1620	20	27	540	
6	Micronutrients	Kg				3	100	300	3	100	300	3	100	300	3	100	300				
7	PP chemicals	Nos	1	600	600	6	600	3600	6	600	3600	6	600	3600	6	600	3600	2	600	1200	
8	Irrigation charges	Hr										10	500	5000	10	500	5000				
9	Weedicide	Kg	1	800	800	1	800	800	1	800	800	1	800	800	1	800	800	0.75	800	600	
<b>SUB TOTAL - B</b>					<b>7596</b>			<b>13455</b>			<b>15893</b>			<b>18455</b>			<b>20893</b>			<b>7987</b>	
Miscellaneous / Contingency @10%					1822			4035			4437			4885			5147			2803	
<b>GRAND TOTAL</b>					<b>20500</b>			<b>44700</b>			<b>48800</b>			<b>53700</b>			<b>56400</b>			<b>31700</b>	
				Rate	Amount			Rate	Amount			Rate	Amount			Rate	Amount			Rate	Amount
	Yield / ha	Qtl			20			15			18			18			20			18	
	Gross income	Rs		1500	30000		3600	54000		3900	70200		3600	64800		3900	78000		2000	36000	
	Net income	Rs			9500			9300			21400			11100			21600			4300	

Jute ( <i>Corchorus olitorius / capsularis</i> )									
Area -1ha		Jute (Olitorius)				Jute (Capsularis)			
		Direct sown crop				Direct sown crop			
Sl	Components of cost	Spacing:60 X 45 cm				Spacing:60 X 45 cm			
No	A. LABOUR	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500	
2	Tractor for carrying	Hrs	4	500	2000	4	500	2000	
3	Cleaning field and bunds	MD	5	126	630	5	126	630	
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	
5	Seed treatment & sowing	MD	5	126	630	5	126	630	
6	Sowing with bullock plough	Nos	3	250	750	3	250	750	
7	Thinning	MD	15	250	3750	15	250	3750	
8	First hoeing	MD	30	126	3780	30	126	3780	
9	Second hoeing & weeding	MD	15	126	1890	15	126	1890	
10	Irrigation (Need based)	MD	5	126	630	5	126	630	
11	Application of PP chemicals & weedicide	MD	10	126	1260	10	126	1260	
12	Application of fertilizer & micronutrients	MD	5	126	630	5	126	630	
13	Cutting & bundling	MD	20	126	2520	20	126	2520	
14	Loading, unloading & retting	MD	15	126	1890	15	126	1890	
15	Stripping	MD	55	126	6930	55	126	6930	
16	Drying & bundling	MD	15	126	1890	15	126	1890	
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>200</b>		<b>27810</b>	<b>200</b>		<b>27810</b>	
<b>B. INPUTS</b>									
1	Cost of seeds	Kg	5	58	290	6	58	348	
2	Seed treating chemical @ 3g/kg	g	15	0.8	12	18	0.8	14.4	
3	Manure / Compost	MT	5	800	4000	5	800	4000	
4	Biofertilizers(Azotobactor +PSB)	Kg	0.3	80	24	0.3	80	24	
5	Fertilizers								
	Nitrogen	Kg	40	12.4	495	60	12.37	742	
	Phosphorus	Kg	20	47.8	956	30	47.8	1434	
	Potassium	Kg	20	27	540	30	27	810	
6	Micronutrients	Kg							
7	PP chemicals	Nos	3	600	1800	3	600	1800	
8	Irrigation charges	Hr	2	500	1000	2	500	1000	
9	Weedicide	Kg	1	800	800	1	800	800	
<b>SUB TOTAL - B</b>					<b>9917</b>			<b>10973</b>	
Miscellaneous / Contingency @10%					3773			3817	
<b>GRAND TOTAL</b>					<b>41500</b>			<b>42600</b>	

		Rate	Amount	Rate	Amount
Yield / ha	Qtl		25		30
Gross income	Rs		2200 55000		2200 66000
Net income	Rs		13500		23400

Sugarcane ( <i>Sachharum spp</i> )									
Area -1ha		Main crop				Ratoon			
		Row spacing: 60 cm (Early), 90 cm (Late)							
Sl	Components of cost	Row spacing: 60 cm (Early), 90 cm (Late)							
No	A. LABOUR	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
1	Tractor ploughing ,trench / pit making	Hrs	7	500	3500				
2	Tractor for carrying	Hrs	10	500	5000	10	500	5000	
3	Cleaning field, bunds, line sizing	MD	10	126	1260	10	126	1260	
4	Application of compost & basal fertilizer	MD	10	126	1260	10	126	1260	
5	Seed cane cutting & treatment	MD	15	126	1890				
6	Sowing with bullock plough	Nos	5	250	1250	3	250	750	
7	Planting of cane / sets	MD	25	126	3150				
8	First hoeing, weeding & earthing up	MD	50	126	6300	50	126	6300	
9	Second hoeing, weeding & earthing up	MD	40	126	5040	40	126	5040	
10	Third weeding	MD	15	126	1890	15	126	1890	
11	Irrigation (Need based)	MD	40	126	5040	40	126	5040	
12	Application of PP chemicals & weedicide	MD	15	126	1890	15	126	1890	
13	Application of fertilizer & micronutrients	MD	20	126	2520	20	126	2520	
14	Wrapping & propping	MD	80	126	10080	80	126	10080	
15	Harvesting of canes	MD	40	126	5040	40	126	5040	
16	Cleaning and bundling	MD	70	126	8820	70	126	8820	
17	Loading & unloading	MD	100	126	12600	100	126	12600	
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>530</b>		<b>68030</b>	<b>490</b>		<b>62490</b>	
<b>B. INPUTS</b>									
1	Seed cane	Kg	15	150	2250				
2	Cane & soil treating chemical, lime	LS			1000				
3	Manure / Compost	MT	12	800	9600	12	800	9600	
4	Biofertilizers(Azotobactor +PSB)	Kg	10	80	800	10	80	800	
5	Fertilizers								
	Nitrogen	Kg	250	12.4	3093	312	12.4	3859	
	Phosphorus	Kg	100	47.8	4780	100	47.8	4780	
	Potassium	Kg	50	27	1350	60	27	1620	
6	Micronutrients (Zinc)	Kg	4	100	400	4	100	400	
7	PP chemicals	Nos	4	600	2400	6	600	3600	
8	Irrigation charges	Hr	21	500	10500	20	500	10000	
9	Weedicide	Kg	1.25	800	1000	1.3	800	1000	
<b>SUB TOTAL - B</b>					<b>37173</b>			<b>35659</b>	
Miscellaneous / Contingency @10%					10597			9851	
<b>GRAND TOTAL</b>					<b>115800</b>			<b>108000</b>	

		Rate	Amount	Rate	Amount
Cane yield / ha	Qtl		1000		1000
Seed cane yield / ha	Qtl		100		100
Income from cane / ha	Rs		170 170000		170 170000
Income from seed cane / ha	Rs		150 15000		150 15000
Gross income	Rs		185000		185000
Net income	Rs		69201		77000



Ratoon	
90 cm (Late)	
Rate (Rs.)	Cost (Rs.)
500	5000
126	1260
126	1260
250	750
126	6300
126	5040
126	1890
126	5040
126	1890
126	2520
126	10080
126	5040
126	8820
126	12600
<b>62490</b>	
800	9600
80	800
12.4	3859
47.8	4780
27	1620
100	400
600	3600
500	10000
800	1000
<b>35659</b>	
9851	
<b>108000</b>	
Rate	
1000	
100	
170	170000
150	15000
185000	
77000	

Castor ( <i>Ricinus communis</i> )			Niger/Alsi ( <i>Guizotia abyssinica</i> )			Safflower/Kusumi ( <i>Carthamus tinctorius</i> )			Lentil ( <i>Lens culinaris</i> )											
Area -1ha			Castor (Kharif)			Castor(Irrigated-Rabi)			Castor(UnIrrigated-R)			Niger (UnIrrigated)			Safflower (Rabi)			Lentil (Rabi)		
			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop		
Sl	Components of cost		Spacing:60 X 45 cm			Spacing:60 X 45 cm			Spacing: 20 X 6 cm			Spacing: 20-30 X10 cm			Spacing: 30 X 5 cm			Spacing:20 X 5 cm		
No	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
<b>A. LABOUR</b>																				
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500	5	500	2500	4	500	2000	4	500	2000	3	500	1500
2	Tractor for carrying / threshing	Hrs	2	500	1000	2	500	1000	2	500	1000	2	500	1000	1	500	500	1	500	500
3	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
5	Seed treatment & sowing	MD	10	126	1260	10	126	1260	10	126	1260	2	126	252	7	126	882	3	126	378
6	Sowing with bullock plough	Nos	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750
7	First hoeing, thinning & earthing up	MD	25	126	3150	25	126	3150	25	126	3150	25	126	3150	17	126	2142	15	126	1890
8	Second hoeing & weeding	MD	20	126	2520	20	126	2520	20	126	2520	10	126	1260						
9	Irrigation (Need based)	MD				5	126	630										2	126	252
10	Application of PP chemicals & weedicide	MD	5	126	630	5	126	630	5	126	630	5	126	630	6	126	756	5	126	630
11	Application of fertilizer & micronutrients	MD	5	126	630	5	126	630	5	126	630	3	126	378						
12	Hand pollination / Bee keeping																			
13	Harvesting, loading & unloading	MD	30	126	3780	30	126	3780	30	126	3780	20	126	2520	20	126	2520	20	126	2520
14	Post Harvest management	MD	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>120</b>		<b>15870</b>	<b>125</b>		<b>16500</b>	<b>120</b>		<b>15870</b>	<b>90</b>		<b>12090</b>	<b>75</b>		<b>10200</b>	<b>70</b>		<b>9570</b>
<b>B. INPUTS</b>																				
1	Cost of seeds	Kg	15	50	750	15	50	750	15	50	750	10	50	500	20	50	1000	40	50	2000
2	Seed treating chemical @ 3g/kg	g	45	0.8	36	45	0.8	36	45	0.8	36	30	0.8	24	60	0.8	48	120	0.8	96
3	Manure / Compost	MT	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000
4	Biofertilizers(Azotobactor +PSB)	Kg	0.3	80	24	0.3	80	24	0.3	80	24	0.2	80	16	0.2	80	16	0.8	80	64
5	Fertilizers																			
	Nitrogen	Kg	60	12.4	742	60	12.37	742	60	12.37	742	40	12.37	495	30	12.37	371	20	12.37	247
	Phosphorus	Kg	40	47.8	1912	40	47.8	1912	40	47.8	1912	20	47.8	956	30	47.8	1434	40	47.8	1912
	Potassium	Kg	40	27	1080	40	27	1080	40	27	1080	20	27	540	15	27	405	20	27	540
6	Micronutrients	Kg	3	100	300	3	100	300	3	100	300									
7	PP chemicals	Nos	2	600	1200	2	600	1200	2	600	1200	1	600	600	2	600	1200	1	600	600
8	Irrigation charges	Hr				4	500	2000										2	500	1000
9	Weedicide	Kg	0.75	800	600	0.75	800	600	0.75	800	600	0.75	800	600	0.75	800	600	0.75	800	600
<b>SUB TOTAL - B</b>					<b>10644</b>			<b>12644</b>			<b>10644</b>			<b>7731</b>			<b>9074</b>			<b>11059</b>
Miscellaneous / Contingency @10%					2686			2956			2686			1979			1926			2071
<b>GRAND TOTAL</b>					<b>29200</b>			<b>32100</b>			<b>29200</b>			<b>21800</b>			<b>21200</b>			<b>22700</b>
					Rate Amount			Rate Amount			Rate Amount			Rate Amount			Rate Amount			Rate Amount
Yield / ha		Qtl			12.5			15			12.5			10			10			15
Gross income		Rs			4000			60000			4000			35000			25000			35000
Net income		Rs			20800			27900			20800			13200			3800			29800



		Rapeseed / Mustard ( <i>Brassica spp</i> )					Sesamum ( <i>Sesamum indicum</i> )					Sunflower ( <i>Helianthus annus</i> )								
Area -1ha		Mustard (Irrigated)			Mustard(Unirrigated)		Sesamum(Irrigated)			Sesamum(Unirrigated)		Sunflower-HYV			Sunflower-Hyb		Area -1ha			
Components of cost		Direct sown crop			Direct sown crop		Direct sown crop			Direct sown crop		Direct sown crop			Direct sown crop		Components of cost			
Spacing:45X10 cm		Spacing:30 X8 cm		Spacing: 20 X 6 cm			Spacing: 20 X 3 cm		Spacing:45X30 cm			Spacing:60 X30 cm								
No	A. LABOUR	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)			
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500	1		
2	Tractor for carrying & threshing	Hrs	3	500	1500	3	500	1500	3	500	1500	3	500	1500	1	500	500	2		
3	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	3		
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	4		
5	Seed treatment & sowing	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5		
6	Sowing with bullock plough	Nos	3	250	750	3	250	750	3	250	750	2	126	252	10	126	1260	6		
7	First hoeing, thinning & earthing up	MD	25	126	3150	25	126	3150	25	126	3150	3	250	750	10	126	1260	7		
8	Second hoeing & weeding	MD	15	126	1890	15	126	1890	25	126	3150	25	126	3150	25	126	3150	8		
9	Irrigation (Need based)	MD	3	126	378				10	126	1260	10	126	1260	15	126	1890	9		
10	Application of PP chemicals & weedicide	MD	5	126	630	5	126	630	4	126	504	5	126	630	5	126	630	10		
11	Application of fertilizer & micronutrients	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	11		
12	Hand pollination / Bee keeping								5	126	630	5	126	630	5	126	630	12		
13	Harvesting, loading & unloading	MD	18	126	2268	15	126	1890	20	126	2520	15	126	1890	10	126	1260	13		
14	Post Harvest management	MD	14	126	1764	10	126	1260	16	126	2016	10	126	1260	15	126	1890	14		
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>100</b>		<b>13350</b>	<b>90</b>		<b>12090</b>	<b>100</b>		<b>13350</b>	<b>82</b>		<b>11082</b>	<b>120</b>		<b>15870</b>	<b>125</b>		<b>16500</b>
<b>B. INPUTS</b>																				
1	Cost of seeds	Kg	10	39	390	10	39	390	10	35.5	355	10	35.5	355	10	80	800	5	400	2000
2	Seed treating chemical @ 3g/kg	g	30	0.8	24	30	0.8	24	30	0.8	24	30	0.8	24	30	0.8	24	15	0.8	12
3	Manure / Compost	MT	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000
4	Biofertilizers(Azotobactor +PSB)	Kg	0.2	80	16	0.2	80	16	0.2	80	16	0.2	80	16	0.2	80	16	0.2	80	16
5	Fertilizers																			
	Nitrogen	Kg	60	12.37	742	30	12.37	371	30	12.37	371	30	12.37	371	30	12.37	371	60	12.37	742
	Phosphorus	Kg	30	47.8	1434	15	47.8	717	15	47.8	717	15	47.8	717	40	47.8	1912	80	47.8	3824
	Potassium	Kg	30	27	810	15	27	405	15	27	405	15	27	405	30	27	810	60	27	1620
6	Micronutrients	Kg	3	100	300	3	100	300	3	100	300	3	100	300	10	100	1000	10	100	1000
7	PP chemicals	Nos	2	600	1200	2	600	1200	2	600	1200	2	600	1200	2	600	1200	3	600	1800
8	Irrigation charges	Hr	3	500	1500				3	500	1500				3	500	1500	3	500	1500
9	Weedicide	Kg	0.75	800	600	0.75	800	600	0.75	800	600	0.75	800	600	0.75	800	600	0.75	800	600
<b>SUB TOTAL - B</b>					<b>11016</b>			<b>8023</b>			<b>9488</b>			<b>7988</b>			<b>12233</b>			<b>17114</b>
Miscellaneous / Contingency @10%					2434			2087			2262			1930			2897			3386
<b>GRAND TOTAL</b>					<b>26800</b>			<b>22200</b>			<b>25100</b>			<b>21000</b>			<b>31000</b>			<b>37000</b>
Yield / ha		Qtl			15			10			18			18			16			20
Gross income		Rs			4000			4000			4500			4500			3700			3700
Net income		Rs			60000			40000			81000			81000			59200			74000
					33200			17800			55900			60000			28200			37000



Sunflower-Hyb		
Direct sown crop		
Spacing: 60 X 30 cm		
Nos	Rate (Rs.)	Cost (Rs.)
5	500	2500
1	500	500
5	126	630
5	126	630
10	126	1260
3	250	750
25	126	3150
15	126	1890
5	126	630
8	126	1008
5	126	630
10	126	1260
17	126	2142
20	126	2520
<b>125</b>	<b>16500</b>	
5	400	2000
15	0.8	12
5	800	4000
0.2	80	16
60	12.37	742
80	47.8	3824
60	27	1620
10	100	1000
3	600	1800
3	500	1500
0.75	800	600
<b>17114</b>		
<b>3386</b>		
<b>37000</b>		

Area - 1ha			Groundnut ( <i>Arachis hypogaea</i> )			Horse Gram ()			Bengal Gram ( <i>Cicer arietinum</i> )			Bengal Gram (Pyra)								
Components of cost			Groundnut (Kharif)			Groundnut (Rabi-Uhl)			Groundnut (Rabi-Irriga)			Horse Gram (Rabi)			Bengal Gram (Rabi)			Bengal Gram (Pyra)		
			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop		
			Spacing: 25 X 10 cm			Spacing: 20 X 10 cm			Spacing: 25 X 10 cm			Spacing: 30 X 10 cm			Spacing: 30 X 10 cm			Spacing: 30 X 10 cm		
No	Unit	Rate (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1	Hrs		5	500	2500	5	500	2500	5	500	2500	3	500	1500	3	500	1500			
2	Hrs		2	500	1000	2	500	1000	2	500	1000	2	500	1000	1	500	500			
3	MD		5	126	630	5	126	630	5	126	630	5	126	630	5	126	630			
4	MD		5	126	630	5	126	630	5	126	630	5	126	630	5	126	630			
5	MD		10	126	1260	10	126	1260	10	126	1260									
6	MD		12	126	1512	12	126	1512	12	126	1512	3	126	378	3	126	378	3	126	378
7	Nos		3	250	750	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750
8	MD		30	126	3780	30	126	3780	30	126	3780	17	126	2142	10	126	1260	10	126	1260
9	MD								6	250	1500				2	126	252	2	126	252
10	MD		8	126	1008	8	126	1008	10	126	1260				3	126	378	3	126	378
11	MD		10	126	1260	10	126	1260	10	126	1260									
12	MD		50	126	6300	60	126	7560	72	126	9072	20	126	2520	17	126	2142	17	126	2142
13	MD		10	126	1260	10	126	1260	10	126	1260	15	126	1890	15	126	1890	15	126	1890
<b>SUB TOTAL - A</b>			<b>MD</b>	<b>140</b>	<b>18390</b>	<b>150</b>	<b>19650</b>	<b>170</b>	<b>22914</b>	<b>65</b>	<b>8940</b>	<b>60</b>	<b>8310</b>	<b>50</b>	<b>7050</b>					
<b>B. INPUTS</b>																				
1	Kg		175	40	7000	175	40	7000	175	40	7000	50	50	2500	60	47	2820	60	47	2820
2	g		525	0.8	420	525	0.8	420	525	0.8	420	150	0.8	120	180	0.8	144	180	0.8	144
3	MT		5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000			
4	Kg		2.5	80	200	2.5	80	200	2.5	80	200	1	80	80	1.2	80	96	1.2	80	96
5 Fertilizers																				
	Kg		20	12.4	247	20	12.37	247	20	12.37	247	20	12.37	247	20	12.37	247	20	12.37	247
	Kg		40	47.8	1912	40	47.8	1912	40	47.8	1912	40	47.8	1912	40	47.8	1912	40	47.8	1912
	Kg		40	27	1080	40	27	1080	40	27	1080	20	27	540	20	27	540	20	27	540
6	Kg		5	100	500	5	100	500	5	100	500									
7	Nos		2	600	1200	2	600	1200	2	600	1200	1	600	600	2	600	1200	2	600	1200
8	Hr																			
9	Kg		1	800	800	1	800	800	1	800	800	0.75	800	600	0.75	800	600			
<b>SUB TOTAL - B</b>					<b>17359</b>			<b>17359</b>			<b>17359</b>			<b>10599</b>			<b>11559</b>			<b>6959</b>
Miscellaneous / Contingency @10%					3551			3791			4027			1961			1931			1491
<b>GRAND TOTAL</b>					<b>39300</b>			<b>40800</b>			<b>44300</b>			<b>21500</b>			<b>21800</b>			<b>15500</b>

	Qtl	Rate	Amount	Qtl	Rate	Amount	Qtl	Rate	Amount	Qtl	Rate	Amount	Qtl	Rate	Amount
Yield / ha			15			20			25			15			10
Gross income	Rs	4000	60000	4000	80000	4000	100000	3500	52500	4500	67500	4500	45000		
Net income	Rs		20700		39200		55700		31000		45700		29500		

Black Gram ( <i>Vigna mungo</i> )													Green Gram ( <i>Vigna radiata</i> )												
Area -1ha			Black Gram(K, Pre-R)			Black Gram(Summer)			Black Gram(Pyra)			Green Gram(K, Pre-R)			Green Gram(Summer)			Green Gram(Pyra)							
			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop							
Sl	Components of cost		Spacing:30X 5-10 cm			Spacing:25 X 5-10 cm			Spacing:25 X 5-10 cm			Spacing:30X 5-10 cm			Spacing:25 X 5-10 cm			Spacing:25 X 5-10 cm							
No		Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)					
<b>A. LABOUR</b>																									
1	Tractor ploughing	Hrs	3	500	1500	3	500	1500	2	500	1000	3	500	1500	3	500	1500	2	500	1000					
2	Tractor for carrying	Hrs	2	500	1000	2	500	1000				2	500	1000	2	500	1000								
3	Cleaning field and bunds	MD	5	126	630	5	126	630				5	126	630	5	126	630								
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630				5	126	630	5	126	630								
5	Seed treatment & sowing	MD	3	126	378	3	126	378	3	126	378	3	126	378	3	126	378	3	126	378					
6	Sowing / threshing with bullock plough	Nos	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750					
7	Weeding	MD	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890					
8	Irrigation (Need based)	MD				3	126	378				3	126	378											
9	Application of PP chemicals & weedicide	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630					
10	Harvesting & drying	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520					
11	Threshing, drying, bagging, storing, etc	MD	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890					
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>68</b>		<b>9318</b>	<b>71</b>		<b>9696</b>	<b>58</b>		<b>8058</b>	<b>68</b>		<b>9318</b>	<b>71</b>		<b>9696</b>	<b>58</b>		<b>8058</b>					
<b>B. INPUTS</b>																									
1	Cost of seeds	Kg	25	48	1200	25	48	1200	25	48	1200	25	50	1250	25	50	1250	25	50	1250					
2	Seed treating chemical @3g/kg	g	75	0.8	60	75	0.8	60	75	0.8	60	75	0.8	60	75	0.8	60	75	0.8	60					
3	Manure / Compost	MT	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000					
4	Biofertilizers(Rhizobium +PSB)	Kg	1	80	80	1	80	80				1	80	80	1	80	80								
5	Fertilizers																								
	Nitrogen	Kg	20	12.4	247	20	12.37	247	20	12.37	247	20	12.37	247	20	12.37	247	20	12.37	247					
	Phosphorus	Kg	40	47.8	1912	40	47.8	1912	40	47.8	1912	40	47.8	1912	40	47.8	1912	40	47.8	1912					
	Potassium	Kg	20	27	540	20	27	540	20	27	540	20	27	540	20	27	540	20	27	540					
6	Micronutrients	Kg	5	100	500	5	100	500				5	100	500	5	100	500								
7	PP chemicals	Nos	2	600	1200	2	600	1200	2	600	1200	2	600	1200	2	600	1200	2	600	1200					
8	Irrigation charges	Hr				2	500	1000				2	500	1000											
9	Weedicide	Kg	0.75	800	600	0.75	800	600				0.75	800	600	0.75	800	600								
<b>SUB TOTAL - B</b>					<b>10339</b>			<b>11339</b>			<b>9159</b>			<b>10389</b>			<b>11389</b>			<b>9200</b>					
Miscellaneous / Contingency @10%					1943			2165			1783			1993			2115			1730					
<b>GRAND TOTAL</b>					<b>21600</b>			<b>23200</b>			<b>19000</b>			<b>21700</b>			<b>23200</b>			<b>19000</b>					

		Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
Grain yield / ha	Qtl	10		12		10		10		12	
Gross income	Rs	4500	45000	4500	54000	4500	45000	4500	45000	4500	45000
Net income	Rs		23400		30800		26000		23300		26000



Field Cowpea ( <i>Vigna unguiculata</i> )						Arhar / Red Gram ( <i>Cajanus cajan</i> )						Field Pea ( <i>Pisum sativum</i> var. <i>arvense</i> )								
Area -1ha			Field Cow pea(Kharif)			Field Cow pea(Pre-S)			Red Gram(Early-Kharif)			Red Gram(Late-Kharif)			Field pea (Rabi)			Field pea (Rabi-Pyra)		
			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop					
Sl	Components of cost		Spacing:30X15-20cm			Spacing:30X15-20 cm			Spacing:60 X 10 cm			Spacing:30 X 20 cm			Spacing:30 X 10 cm			Spacing:25 X 5-10 cm		
No		Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A LABOUR</b>																				
1	Tractor ploughing	Hrs	3	500	1500	3	500	1500	3	500	1500	3	500	1500	3	500	1500			
2	Tractor for carrying	Hrs	2	500	1000	2	500	1000	2	500	1000	2	500	1000	2	500	1000	2	500	1000
3	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630			
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630			
5	Seed treatment & sowing	MD	3	126	378	3	126	378	3	126	378	3	126	378	3	126	378	3	126	378
6	Sowing / threshing with bullock plough	Nos	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750			
7	Weeding	MD	17	126	2142	15	126	1890	25	126	3150	25	126	3150	17	126	2142	17	126	2142
8	Irrigation (Need based)	MD				5	126	630				3	126	378	5	126	630	1	126	126
9	Application of PP chemicals & weedicide	MD	5	126	630	5	126	630	9	126	1134	9	126	1134	5	126	630	5	126	630
10	Harvesting & drying	MD	40	126	5040	42	126	5292	25	126	3150	25	126	3150	20	126	2520	20	126	2520
11	Threshing, drying, bagging, storing, etc	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	15	126	1890	14	126	1764
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>95</b>		<b>12720</b>	<b>100</b>		<b>13350</b>	<b>92</b>		<b>12342</b>	<b>95</b>		<b>12720</b>	<b>75</b>		<b>10200</b>	<b>60</b>		<b>7560</b>
<b>B. INPUTS</b>																				
1	Cost of seeds	Kg	20	40	800	20	48	960	20	48	960	20	48	960	60	34	2040	60	34	2040
2	Seed treating chemical @3g/kg	g	60	0.8	48	60	0.8	48	60	0.8	48	60	0.8	48	180	0.8	144	180	0.8	144
3	Manure / Compost	MT	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000			
4	Biofertilizers(Rhizobium +PSB)	Kg	0.4	80	32	0.4	80	32	0.4	80	32	0.4	80	32	1.2	80	96	1.2	80	96
5	Fertilizers																			
	Nitrogen	Kg	25	12.4	309	25	12.37	309	20	12.37	247	20	12.37	247	25	12.37	309	25	12.37	309
	Phosphorus	Kg	50	47.8	2390	50	47.8	2390	40	47.8	1912	40	47.8	1912	50	47.8	2390	50	47.8	2390
	Potassium	Kg	25	27	675	25	27	675	20	27	540	20	27	540	25	27	675	25	27	675
6	Micronutrients	Kg													5	100	500			
7	PP chemicals	Nos	2	600	1200	2	600	1200	3	600	1800	3	600	1800	1	600	600	1	600	600
8	Irrigation charges	Hr				4	500	2000				2	500	1000	3	500	1500			
9	Weedicide	Kg	0.75	800	600	0.75	800	600	1	800	800	1	800	800	0.75	800	600			
<b>SUB TOTAL - B</b>					<b>10054</b>			<b>12214</b>			<b>10339</b>			<b>11339</b>			<b>12854</b>			<b>6254</b>
Miscellaneous / Contingency @10%					2226			2536			2219			2441			2346			1386
<b>GRAND TOTAL</b>					<b>25000</b>			<b>28100</b>			<b>24900</b>			<b>26500</b>			<b>25400</b>			<b>15200</b>

		Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
Grain yield / ha	Qt		17.5		20		20		25		20
Gross income	Rs	3000	52500	3000	60000	4500	90000	4500	112500	4000	80000
Net income	Rs		27500		31900		65100		86000		54600

**Aonla (*Emblica officinalis*)**

Area - 1		Density-200 plants				Spacing-7m X 7m				Labour @Rs. 126/MD		Cost in Rupees									
Sl No	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7th year		8th year		9th year		10-40th year	
		Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)
<b>A. LABOUR</b>																					
1	Tractor ploughing @Rs 500/ hr & bullock plough or Power tiller from 2nd year onwards proportionate to the cost	5 hr	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500
2	Lay out & demarcation	3	378																		
3	Digging of pits (1mx1mx1m)	72	9072	8	1008	4	504														
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	24	3024	4	504	2	252														
5	Planting followed by watering	4	504	2	252	1	126														
6	Staking	4	504	5	630	6	756														
7	Irrigation	64	8064	64	8064	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560
8	Intercultural operation(hoeing,weeding, application of fertiliser & manure)	18	2268	21	2646	24	3024	25	3150	20	2520	20	2520	20	2520	20	2520	20	2520	20	2520
9	Application of PP chemicals & Hormone	10	1260	12	1512	12	1512	18	2268	21	2646	24	3024	25	3150	25	3150	25	3150	25	3150
10	Training & pruning	7	882	4	504	2	252	2	252	2	252	2	252	2	252	2	252	2	252	2	252
11	Harvesting, Post harvest handling					4	504	6	756	10	1260	18	2268	20	2520	25	3150	30	3780	30	3780
<b>SUB TOTAL - A</b>		<b>206</b>	<b>28456</b>	<b>120</b>	<b>15120</b>	<b>115</b>	<b>14490</b>	<b>111</b>	<b>16486</b>	<b>113</b>	<b>16738</b>	<b>124</b>	<b>18124</b>	<b>127</b>	<b>18502</b>	<b>132</b>	<b>19132</b>	<b>137</b>	<b>19762</b>	<b>137</b>	<b>19762</b>
<b>B. INPUTS</b>																					
1	Planting material @Rs 31.50 /graft	220 nos	6930	10nos.	315	5	158														
2	Cost of manure @Rs. 800 / MT	2 MT	4000	4 MT	8000	6 MT	12000	8 MT	16000	10 MT	20000	12 MT	24000	14 MT	28000	16 MT	32000	18 MT	36000	20 MT	40000
3	Fertilizers																				
	N @ Rs 12.37 per Kg.	20	90	40.0	181	60.0	271	80.0	361	100.0	452	120.0	542	140.0	632	160.0	722	180.0	813	200.0	903
	P <sub>2</sub> O <sub>5</sub> @Rs 47.80 per Kg	10	86	20.0	172	30.0	258	40.0	344	50.0	430	60.0	516	70.0	602	80.0	688	90.0	774	100.0	860
	K <sub>2</sub> O @Rs 27.00 per Kg	20	184	40.0	367	60.0	551	80.0	734	100.0	918	120.0	1102	140.0	1285	160.0	1469	180.0	1652	200.0	1836
4	Micronutrients						1000		1500		2000		2000		2500		2500		2500		2500
5	Cost of PP chemicals & hormones		3000		2000		3000		4000		5000		6000		6000		6000		6000		6000
6	Cost of staking material @Rs 3/		600		300																
7	Irrigation charges		3000		3000		3000		4000		4000		4000		4000		4000		4000		4000
8	Mulching material		20000																		
9	Fencing		20000		5000		5000		5000												
<b>SUB TOTAL - B</b>			<b>57890</b>		<b>19334.9</b>		<b>25237.3</b>		<b>31940</b>		<b>32799.7</b>		<b>38159.6</b>		<b>43020</b>		<b>47380</b>		<b>51739.5</b>		<b>56099</b>
	Miscellaneous / Contingency @10%		8654		3445		3973		4874		4962		5616		6178		6688		7199		7539
<b>GRAND TOTAL</b>			<b>95000</b>		<b>37900</b>		<b>43700</b>		<b>53300</b>		<b>54500</b>		<b>61900</b>		<b>67700</b>		<b>73200</b>		<b>78700</b>		<b>83400</b>
<b>Per plant (Rs.)</b>			<b>475</b>		<b>189</b>		<b>219</b>		<b>266</b>		<b>272</b>		<b>309</b>		<b>338</b>		<b>366</b>		<b>394</b>		<b>417</b>

Yield/ Year ----->	3	4	5	6	7	8	9	10 to 40
Fruits per plant (Kg)	3	5	10	20	40	60	80	100
Fruits per Ha (Kg)	600	780	1560	3120	6240	9360	12480	15600
Income @Rs. 10 per Kg	6000	7800	15600	31200	62400	93600	124800	156000

Area - 1	
Sl No	
<b>A. LABOUR</b>	
1	Tractor
2	Tractor
3	Cleaning
4	Applica
5	Shelling
6	Seed tr
7	Sowing
8	Hoeing
9	Irrigatio
10	Applica
11	Applica
12	Harves
13	Post H
<b>B. INP</b>	
1	Cost of
2	Seed tr
3	Manure
4	Bioferti
5	Fertilize
	Nitroge
	Phosph
	Potass
6	Micron
7	PP che
8	Irrigatio
9	Weed
	Miscell
	Yield / Gross Net inc



			Groundnut ( <i>Arachis hypogaea</i> )			Horse Gram ()			Bengal Gram ( <i>Cicer arietinum</i> )											
Area (ha)			Groundnut (Kharif)			Groundnut (Rabi-Uhl)			Groundnut (Rabi-Irriga)			Horse Gram (Rabi)			Bengal Gram (Rabi)			Bengal Gram (Pyra)		
			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop		
Components of cost			Spacing: 25 X 10 cm			Spacing: 20 X 10 cm			Spacing: 25 X 10 cm			Spacing: 30 X 10 cm			Spacing: 30 X 10 cm			Spacing: 30 X 10 cm		
Sl No	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
<b>A. LABOUR</b>																				
1	Traction ploughing	Hrs	5	500	2500	5	500	2500	5	500	2500	3	500	1500	3	500	1500			
2	Tractor for carrying	Hrs	2	500	1000	2	500	1000	2	500	1000	2	500	1000	1	500	500			
3	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630			
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630			
5	Shelling of pods, cleaning of seeds	MD	10	126	1260	10	126	1260	10	126	1260									
6	Seed treatment & sowing	MD	12	126	1512	12	126	1512	12	126	1512	3	126	378	3	126	378	3	126	378
7	Sowing / threshing with bullock plough	Nos	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750
8	Hoing, Weeding & earthing up	MD	30	126	3780	30	126	3780	30	126	3780	17	126	2142	10	126	1260	10	126	1260
9	Irrigation (Need based)	MD							6	250	1500				2	126	252	2	126	252
10	Application of PP chemicals & weedicide	MD	8	126	1008	8	126	1008	10	126	1260				3	126	378	3	126	378
11	Application of fertilizer & micronutrients	MD	10	126	1260	10	126	1260	10	126	1260									
12	Harvesting, loading & unloading	MD	50	126	6300	60	126	7560	72	126	9072	20	126	2520	17	126	2142	17	126	2142
13	Post Harvest management	MD	10	126	1260	10	126	1260	10	126	1260	15	126	1890	15	126	1890	15	126	1890
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>140</b>		<b>18390</b>	<b>150</b>		<b>19650</b>	<b>170</b>		<b>22914</b>	<b>65</b>		<b>8940</b>	<b>60</b>		<b>8310</b>	<b>50</b>		<b>7050</b>
<b>B. INPUTS</b>																				
1	Cost of seeds	Kg	175	40	7000	175	40	7000	175	40	7000	50	50	2500	60	47	2820	60	47	2820
2	Seed treating chemical @ 3g/kg	g	525	0.8	420	525	0.8	420	525	0.8	420	150	0.8	120	180	0.8	144	180	0.8	144
3	Manure / Compost	MT	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000			
4	Biofertilizers (Rhizobium + PSB)	Kg	2.5	80	200	2.5	80	200	2.5	80	200	1	80	80	1.2	80	96	1.2	80	96
5	Fertilizers																			
	Nitrogen	Kg	20	12.4	247	20	12.37	247	20	12.37	247	20	12.37	247	20	12.37	247	20	12.37	247
	Phosphorus	Kg	40	47.8	1912	40	47.8	1912	40	47.8	1912	40	47.8	1912	40	47.8	1912	40	47.8	1912
	Potassium	Kg	40	27	1080	40	27	1080	40	27	1080	20	27	540	20	27	540	20	27	540
6	Micronutrients	Kg	5	100	500	5	100	500	5	100	500									
7	PP chemicals	Nos	2	600	1200	2	600	1200	2	600	1200	1	600	600	2	600	1200	2	600	1200
8	Irrigation charges	Hr																		
9	Weedicide	Kg	1	800	800	1	800	800	1	800	800	0.75	800	600	0.75	800	600			
<b>SUB TOTAL - B</b>					<b>17359</b>			<b>17359</b>			<b>17359</b>			<b>10599</b>			<b>11559</b>			<b>6959</b>
Miscellaneous / Contingency @10%					3551			3791			4027			1961			1931			1491
<b>GRAND TOTAL</b>					<b>39300</b>			<b>40800</b>			<b>44300</b>			<b>21500</b>			<b>21800</b>			<b>15500</b>

		Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
Yield / ha	Qtl	15		20		25		15		15	
Gross income	Rs	4000	60000	4000	80000	4000	100000	3500	52500	4500	67500
Net income	Rs		20700		39200		55700		31000		45700



Area -1ha		Black Gram ( <i>Vigna mungo</i> )						Green Gram ( <i>Vigna radiata</i> )												
		Black Gram(K, Pre-R)			Black Gram(Summer)			Black Gram(Pyra)			Green Gram(K, Pre-R)			Green Gram(Summer)			Green Gram(Pyra)			
Sl	Components of cost	Unit	Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop					
			Spacing:30X 5-10 cm			Spacing:25 X 5-10 cm			Spacing:25 X 5-10 cm			Spacing:30X 5-10 cm			Spacing:25 X 5-10 cm			Spacing:25 X 5-10 cm		
No			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1	Tractor ploughing	Hrs	3	500	1500	3	500	1500				3	500	1500	3	500	1500			
2	Tractor for carrying	Hrs	2	500	1000	2	500	1000	2	500	1000	2	500	1000	2	500	1000	2	500	1000
3	Cleaning field and bunds	MD	5	126	630	5	126	630				5	126	630	5	126	630	5	126	630
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630				5	126	630	5	126	630	5	126	630
5	Seed treatment & sowing	MD	3	126	378	3	126	378	3	126	378	3	126	378	3	126	378	3	126	378
6	Sowing / threshing with bullock plough	Nos	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750
7	Weeding	MD	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890
8	Irrigation (Need based)	MD				3	126	378				3	126	378				3	126	378
9	Application of PP chemicals & weedicide	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
10	Harvesting & drying	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520
11	Threshing, drying, bagging, storing, etc	MD	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>68</b>		<b>9318</b>	<b>71</b>		<b>9696</b>	<b>58</b>		<b>8058</b>	<b>68</b>		<b>9318</b>	<b>71</b>		<b>9696</b>	<b>58</b>		<b>8058</b>
<b>B. INPUTS</b>																				
1	Cost of seeds	Kg	25	48	1200	25	48	1200	25	48	1200	25	50	1250	25	50	1250	25	50	1250
2	Seed treating chemical @3g/kg	g	75	0.8	60	75	0.8	60	75	0.8	60	75	0.8	60	75	0.8	60	75	0.8	60
3	Manure / Compost	MT	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000
4	Biofertilizers(Rhizobium+PSB)	Kg	1	80	80	1	80	80	1	80	80	1	80	80	1	80	80	1	80	80
5	Fertilizers																			
	Nitrogen	Kg	20	12.4	247	20	12.37	247	20	12.37	247	20	12.37	247	20	12.37	247	20	12.37	247
	Phosphorus	Kg	40	47.8	1912	40	47.8	1912	40	47.8	1912	40	47.8	1912	40	47.8	1912	40	47.8	1912
	Potassium	Kg	20	27	540	20	27	540	20	27	540	20	27	540	20	27	540	20	27	540
6	Micronutrients	Kg	5	100	500	5	100	500	5	100	500	5	100	500	5	100	500	5	100	500
7	PP chemicals	Nos	2	600	1200	2	600	1200	2	600	1200	2	600	1200	2	600	1200	2	600	1200
8	Irrigation charges	Hr				2	500	1000				2	500	1000				2	500	1000
9	Weedicide	Kg	0.75	800	600	0.75	800	600				0.75	800	600	0.75	800	600			
<b>SUB TOTAL - B</b>					<b>10339</b>			<b>11339</b>			<b>9159</b>			<b>10389</b>			<b>11389</b>			<b>9209</b>
Miscellaneous / Contingency @10%					1943			2165			1783			1993			2115			1733
<b>GRAND TOTAL</b>					<b>21600</b>			<b>23200</b>			<b>19000</b>			<b>21700</b>			<b>23200</b>			<b>19000</b>

		Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
Grain yield / ha	Qtl	10		12		10		10		12	
Gross income	Rs	4500	45000	4500	54000	4500	45000	4500	45000	4500	54000
Net income	Rs		23400		30800		26000		23300		30800

Field	
Area -1ha	
Sl	Co
<b>A. LABOUR</b>	
1	Tractor ploug
2	Tractor for ca
3	Cleaning field
4	Application o
5	Seed treatm
6	Sowing / thre
7	Weeding
8	Irrigation (N
9	Application o
10	Harvesting &
11	Threshing, c
<b>B. INPUTS</b>	
1	Cost of see
2	Seed treatin
3	Manure / C
4	Biofertilizer
5	Fertilizers
	Nitrogen
	Phosphoru
	Potassium
6	Micronutrie
7	PP chemico
8	Irrigation c
9	Weedicide
Miscellane	
Grain yield	
Gross ino	
Net inco	

Field Cowpea ( <i>Vigna unguiculata</i> )					Arhar / Red Gram ( <i>Cajanus cajan</i> )					Field Pea ( <i>Pisum sativum</i> var. <i>arvense</i> )													
Area - 1ha					Field Cow pea(Kharif)			Field Cow pea(Pre-S)			Red Gram(Early-Kharif)			Red Gram(Late-Kharif)			Field pea (Rabi)			Field pea (Rabi-Pyra)			
					Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop			Direct sown crop						
					Spacing:30X15-20cm			Spacing:30X15-20 cm			Spacing:60 X 10 cm			Spacing:30 X 20 cm			Spacing:30 X 10 cm			Spacing:25 X 5-10 cm			
Sl	Components of cost				Unit	Nbs	Rate	Cost	Nbs	Rate	Cost	Nbs	Rate	Cost	Nbs	Rate	Cost	Nbs	Rate	Cost	Nbs	Rate	Cost
No	A LABOUR						(Rs.)	(Rs.)		(Rs.)	(Rs.)		(Rs.)	(Rs.)		(Rs.)	(Rs.)		(Rs.)	(Rs.)		(Rs.)	(Rs.)
1	Tractor ploughing				Hrs	3	500	1500	3	500	1500	3	500	1500	3	500	1500	3	500	1500	2	500	1000
2	Tractor for carrying				Hrs	2	500	1000	2	500	1000	2	500	1000	2	500	1000	2	500	1000			
3	Cleaning field and bunds				MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
4	Application of compost & basal fertilizer				MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630			
5	Seed treatment & sowing				MD	3	126	378	3	126	378	3	126	378	3	126	378	3	126	378	3	126	378
6	Sowing / threshing with bullock plough				Nbs	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750			
7	Weeding				MD	17	126	2142	15	126	1890	25	126	3150	25	126	3150	17	126	2142	17	126	2142
8	Irrigation (Need based)				MD				5	126	630				3	126	378	5	126	630	1	126	126
9	Application of PP chemicals & weedicide				MD	5	126	630	5	126	630	9	126	1134	9	126	1134	5	126	630	5	126	630
10	Harvesting & drying				MD	40	126	5040	42	126	5292	25	126	3150	25	126	3150	20	126	2520	20	126	2520
11	Threshing, drying, bagging, storing, etc				MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	15	126	1890	14	126	1764
<b>SUB TOTAL - A</b>				<b>MD</b>	<b>95</b>		<b>12720</b>	<b>100</b>		<b>13350</b>	<b>92</b>		<b>12342</b>	<b>95</b>		<b>12720</b>	<b>75</b>		<b>10200</b>	<b>60</b>		<b>7560</b>	
<b>B. INPUTS</b>																							
1	Cost of seeds				Kg	20	40	800	20	48	960	20	48	960	20	48	960	60	34	2040	60	34	2040
2	Seed treating chemical @3g/kg				g	60	0.8	48	60	0.8	48	60	0.8	48	60	0.8	48	180	0.8	144	180	0.8	144
3	Manure / Compost				MT	5	800	4000	5	800	4000	5	800	4000	5	800	4000	5	800	4000			
4	Biofertilizers(Rhizobium +PSB)				Kg	0.4	80	32	0.4	80	32	0.4	80	32	0.4	80	32	1.2	80	96	1.2	80	96
5	Fertilizers																						
	Nitrogen				Kg	25	12.4	309	25	12.37	309	20	12.37	247	20	12.37	247	25	12.37	309	25	12.37	309
	Phosphorus				Kg	50	47.8	2390	50	47.8	2390	40	47.8	1912	40	47.8	1912	50	47.8	2390	50	47.8	2390
	Potassium				Kg	25	27	675	25	27	675	20	27	540	20	27	540	25	27	675	25	27	675
6	Micronutrients				Kg													5	100	500			
7	PP chemicals				Nbs	2	600	1200	2	600	1200	3	600	1800	3	600	1800	1	600	600	1	600	600
8	Irrigation charges				Hr				4	500	2000				2	500	1000	3	500	1500			
9	Weedicide				Kg	0.75	800	600	0.75	800	600	1	800	800	1	800	800	0.75	800	600			
<b>SUB TOTAL - B</b>							<b>10054</b>			<b>12214</b>			<b>10339</b>			<b>11339</b>			<b>12854</b>			<b>6254</b>	
Miscellaneous / Contingency @10%							2226			2536			2219			2441			2346			1386	
<b>GRAND TOTAL</b>							<b>25000</b>			<b>28100</b>			<b>24900</b>			<b>26500</b>			<b>25400</b>			<b>15200</b>	

		Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
Grain yield / ha	Qt		17.5		20		20		25		20
Gross income	Rs	3000	52500	3000	60000	4500	90000	4500	112500	4000	80000
Net income	Rs		27500		31900		65100		86000		54600



**Aonla (*Emblica officinalis*)**

Area -1ha		Density-200 plants				Spacing-7m X 7m				Labour @Rs. 126/MD				Cost in Rupees							
Sl. No.	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7th year		8th year		9th year		10-40th year	
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>																					
1	Tractor ploughing @Rs. 500/hr & bullock plough or Power tiller from 2nd year onwards proportionate to the cost	5 hr	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500
2	Lay out & demarcation	3	378																		
3	Digging of pits (1m x 1m x 1m)	72	9072	8	1008	4	504														
4	Filling of pits (carrying compost, mixing with soil & basal dose of fertiliser)	24	3024	4	504	2	252														
5	Planting followed by watering	4	504	2	252	1	126														
6	Staking	4	504	5	630	6	756														
7	Irrigation	64	8064	64	8064	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560
8	Intercultural operation (hoeing, weeding, application of fertiliser & manure)	18	2268	21	2646	24	3024	25	3150	20	2520	20	2520	20	2520	20	2520	20	2520	20	2520
9	Application of PP chemicals & Hormone	10	1260	12	1512	12	1512	18	2268	21	2646	24	3024	25	3150	25	3150	25	3150	25	3150
10	Training & pruning	7	882	4	504	2	252	2	252	2	252	2	252	2	252	2	252	2	252	2	252
11	Harvesting, Post harvest handling					4	504	6	756	10	1260	18	2268	20	2520	25	3150	30	3780	30	3780
<b>SLB TOTAL - A</b>		<b>206</b>	<b>28456</b>	<b>120</b>	<b>15120</b>	<b>115</b>	<b>14490</b>	<b>111</b>	<b>16486</b>	<b>113</b>	<b>16738</b>	<b>124</b>	<b>18124</b>	<b>127</b>	<b>18502</b>	<b>132</b>	<b>19132</b>	<b>137</b>	<b>19762</b>	<b>137</b>	<b>19762</b>
<b>B. INPUTS</b>																					
1	Planting material @Rs 31.50/graft	220 nos	6930	10 nos.	315	5	158														
2	Cost of manure @Rs. 800 / MT	2 MT	4000	4 MT	8000	6 MT	12000	8 MT	16000	10 MT	20000	12 MT	24000	14 MT	28000	16 MT	32000	18 MT	36000	20 MT	40000
3	Fertilizers																				
	N @ Rs. 12.37 per Kg	20	90	40.0	181	60.0	271	80.0	361	100.0	452	120.0	542	140.0	632	160.0	722	180.0	813	200.0	903
	P <sub>2</sub> O <sub>5</sub> @Rs. 47.80 per Kg	10	86	20.0	172	30.0	258	40.0	344	50.0	430	60.0	516	70.0	602	80.0	688	90.0	774	100.0	860
	K <sub>2</sub> O @Rs. 27.00 per Kg	20	184	40.0	367	60.0	551	80.0	734	100.0	918	120.0	1102	140.0	1285	160.0	1469	180.0	1652	200.0	1836
4	Micronutrients						1000		1500		2000		2000		2500		2500		2500		2500
5	Cost of PP chemicals & hormones		3000		2000		3000		4000		5000		6000		6000		6000		6000		6000
6	Cost of staking material @Rs 3/		600		300																
7	Irrigation charges		3000		3000		3000		4000		4000		4000		4000		4000		4000		4000
8	Mulching material		20000																		
9	Fencing		20000		5000		5000		5000		5000										
<b>SUB TOTAL - B</b>			<b>57890</b>		<b>19334.9</b>		<b>25237.3</b>		<b>31940</b>		<b>32799.7</b>		<b>38159.6</b>		<b>43020</b>		<b>47380</b>		<b>51739.5</b>		<b>56099</b>
	Miscellaneous / Contingency @10%		8654		3445		3973		4874		4962		5616		6178		6688		7199		7539
<b>GRAND TOTAL</b>			<b>95000</b>		<b>37900</b>		<b>43700</b>		<b>53300</b>		<b>54500</b>		<b>61900</b>		<b>67700</b>		<b>73200</b>		<b>78700</b>		<b>83400</b>
<b>Per plant (Rs.)</b>			<b>475</b>		<b>189</b>		<b>219</b>		<b>266</b>		<b>272</b>		<b>309</b>		<b>338</b>		<b>366</b>		<b>394</b>		<b>417</b>

Yield / Year ----->	3	4	5	6	7	8	9	10 to 40
Fruits per plant (Kg)	3	5	10	20	40	60	80	100
Fruits per Ha (Kg)	600	780	1560	3120	6240	9360	12480	15600
Income @Rs. 10 per Kg	6000	7800	15600	31200	62400	93600	124800	156000

Area -1ha.		Density-200 plants				Spacing-7m X 7m				Labour @Rs. 126/MD				Cost in Rupees							
Sl. No.	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7th year		8th year		9th year		10-40th year	
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>																					
1	Tractor ploughing @Rs. 500/hr & bullock plough or Power tiller from 2nd year onwards proportionate to the cost	5 hr	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500
2	Lay out & demarcation	3	378																		
3	Digging of pits (1m x 1m x 1m)	72	9072	8	1008	4	504														
4	Filling of pits (carrying compost, mixing with soil & basal dose of fertiliser)	24	3024	4	504	2	252														
5	Planting followed by watering	4	504	2	252	1	126														
6	Staking	4	504	5	630	6	756														
7	Irrigation	64	8064	64	8064	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560
8	Intercultural operation (hoeing, weeding, application of fertiliser & manure)	18	2268	21	2646	24	3024	25	3150	20	2520	20	2520	20	2520	20	2520	20	2520	20	2520
9	Application of PP chemicals & Hormone	10	1260	12	1512	12	1512	18	2268	21	2646	24	3024	25	3150	25	3150	25	3150	25	3150
10	Training & pruning	7	882	4	504	2	252	2	252	2	252	2	252	2	252	2	252	2	252	2	252
11	Harvesting, Post harvest handling					4	504	6	756	10	1260	18	2268	20	2520	25	3150	30	3780	30	3780
<b>SLB TOTAL - A</b>		<b>206</b>	<b>28456</b>	<b>120</b>	<b>15120</b>	<b>115</b>	<b>14490</b>	<b>111</b>	<b>16486</b>	<b>113</b>	<b>16738</b>	<b>124</b>	<b>18124</b>	<b>127</b>	<b>18502</b>	<b>132</b>	<b>19132</b>	<b>137</b>	<b>19762</b>	<b>137</b>	<b>19762</b>
<b>B. INPUTS</b>																					
1	Planting material @Rs 31.50/graft	220 nos	6930	10 nos.	315	5	158														
2	Cost of manure @Rs. 800 / MT	2 MT	4000	4 MT	8000	6 MT	12000	8 MT	16000	10 MT	20000	12 MT	24000	14 MT	28000	16 MT	32000	18 MT	36000	20 MT	40000
3	Fertilizers																				
	N @ Rs. 12.37 per Kg	20	90	40.0	181	60.0	271	80.0	361	100.0	452	120.0	542	140.0	632	160.0	722	180.0	813	200.0	903
	P <sub>2</sub> O <sub>5</sub> @Rs. 47.80 per Kg	10	86	20.0	172	30.0	258	40.0	344	50.0	430	60.0	516	70.0	602	80.0	688	90.0	774	100.0	860
	K <sub>2</sub> O @Rs. 27.00 per Kg	20	184	40.0	367	60.0	551	80.0	734	100.0	918	120.0	1102	140.0	1285	160.0	1469	180.0	1652	200.0	1836
4	Micronutrients						1000		1500		2000		2000		2500		2500		2500		2500
5	Cost of PP chemicals & hormones		3000		2000		3000		4000		5000		6000		6000		6000		6000		6000
6	Cost of staking material @Rs 3/		600		300																
7	Irrigation charges		3000		3000		3000		4000		4000		4000		4000		4000		4000		4000
8	Mulching material		20000																		
9	Fencing		20000		5000		5000		5000		5000										
<b>SUB TOTAL - B</b>			<b>57890</b>		<b>19334.9</b>		<b>25237.3</b>		<b>31940</b>		<b>32799.7</b>		<b>38159.6</b>		<b>43020</b>		<b>47380</b>		<b>51739.5</b>		<b>56099</b>
	Miscellaneous / Contingency @10%		8654		3445		3973		4874		4962		5616		6178		6688		7199		7539
<b>GRAND TOTAL</b>			<b>95000</b>		<b>37900</b>		<b>43700</b>		<b>53300</b>		<b>54500</b>		<b>61900</b>		<b>67700</b>		<b>73200</b>		<b>78700</b>		<b>83400</b>
<b>Per plant (Rs.)</b>			<b>475</b>		<b>189</b>		<b>219</b>		<b>266</b>		<b>272</b>		<b>309</b>		<b>338</b>		<b>366</b>		<b>394</b>		<b>417</b>

Yield / Year ----->	3	4	5	6	7	8	9	10 to 40
No. of fruits per plant	3	5	10	20	40	60	80	100
No. of fruits per Ha	600	780	1560	3120	6240	9360	12480	15600
Income @Rs. 10 per Kg	6000	7800						



**Bael (Aegle marmelos)**

Area -1ha.		Density-156 plants				Spacing-8 m X 8 m				Labour @ Rs.126/MD Cost in Rupees											
Sl	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7th year		8th year		9th year		10-40th year	
No		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>																					
1	Tractor ploughing @Rs.500/ hr & bullock plough or Power tiller from 2nd year onwards proportionate to the cost	5 hr	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500
2	Lay out & demarcation	2	252																		
3	Digging of pits (1m x 1m x 1m)	56	7056	3	378	1	126														
4	Filling of pits (carrying compost, mixing with soil & basal dose of fertiliser)	18	2268	1	126	1	126														
5	Planting followed by watering	3	378	1	126	1	126														
6	Staking	3	378	2	252																
7	Irrigation	70	8820	80	10080	90	11340	30	3780	30	3780	30	3780	30	3780	30	3780	30	3780	30	3780
8	Intercultural operation (hoeing, weeding, application of fertiliser & manure)	13	1638	14	1764	16	2016	18	2268	20	2520	20	2520	20	2520	20	2520	20	2520	20	2520
9	Application of PP chemicals & Hormone	7	882	7	882	8	1008	10	1260	12	1512	14	1764	16	2016	18	2268	20	2520	22	2772
10	Training & pruning	2	252	2	252	2	252	2	252	2	252	2	252	2	252	2	252	2	252	2	252
11	Harvesting, Post harvest handling									40	5040	60	7560	100	12600	120	15120	140	17640	150	18900
	<b>SUB TOTAL - A</b>	<b>174</b>	<b>24424</b>	<b>110</b>	<b>13860</b>	<b>119</b>	<b>14994</b>	<b>60</b>	<b>10060</b>	<b>104</b>	<b>15604</b>	<b>126</b>	<b>18376</b>	<b>168</b>	<b>23668</b>	<b>190</b>	<b>26440</b>	<b>212</b>	<b>29212</b>	<b>224</b>	<b>30724</b>
<b>B. INPUTS</b>																					
1	Planting material @ Rs.32 /graft	156	4992	7	224	3	96														
2	Cost of manure @ Rs. 800 / MT	2 MT	4000	4 MT	8000	6 MT	12000	8 MT	16000	10 MT	20000	12 MT	24000	14 MT	28000	16 MT	32000	18 MT	36000	20 MT	40000
3	Fertilizers																				
	N @ Rs.12.37 per Kg.	7.8	90	15.6	181	23.4	271	31.2	361	39.0	452	46.8	542	54.6	632	62.4	722	70.2	813	78.0	903
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	3.9	86	7.8	172	11.7	258	15.6	344	19.5	430	23.4	516	27.3	602	31.2	688	35.1	774	39.0	860
	K <sub>2</sub> O @Rs.27.00 per Kg	7.8	184	15.6	367	23.4	551	31.2	734	39.0	918	46.8	1102	54.6	1285	62.4	1469	70.2	1652	78.0	1836
4	Micronutrients						1000		1500		2000		2000		2500		2500		2500		2500
5	Cost of PP chemicals & hormones		3000		2000		3000		4000		5000		6000		6000		6000		6000		6000
6	Cost of staking material @Rs.5/	156	780		390																
7	Irrigation charges		3000		3000		3000		4000		4000		4000		4000		4000		4000		4000
8	Mulching material		20000																		
9	Fencing		20000		5000		5000		5000		5000										
	<b>SUB TOTAL - B</b>		<b>56132</b>		<b>19333.9</b>		<b>25175.8</b>		<b>31940</b>		<b>32799.7</b>		<b>38159.6</b>		<b>43020</b>		<b>47380</b>		<b>51739.5</b>		<b>56099</b>
	Miscellaneous / Contingency @10%		8641		3518		4132		5020		5295		5935		6584		7080		7677		8004
	<b>GRAND TOTAL</b>		<b>89197</b>		<b>36712</b>		<b>44302</b>		<b>47020</b>		<b>53699</b>		<b>62471</b>		<b>73272</b>		<b>80900</b>		<b>88628</b>		<b>94827</b>
	Per plant (Rs.)		<b>446</b>		<b>184</b>		<b>222</b>		<b>235</b>		<b>268</b>		<b>312</b>		<b>366</b>		<b>404</b>		<b>443</b>		<b>474</b>

Yield / Year ———>	5	6	7	8	9	10	11 to 40
No. of fruits per plant	10	20	30	50	80	100	120
No. of fruits per Ha.	1560	3120	4680	7800	12480	15600	18720
Income @ Rs. 10 per fruit	15600	31200	46800	78000	124800	156000	187200

Banana (Dwarf)																
Area -1ha. Density-3086 plants Spacing--1.8 m X1.8 m Labour @Rs.126/MD Cost in Rupees																
Sl No	Components of cost	Unit	Tissue culture crop					Sucker crop								
			Main crop		Ratoon I		Ratoon II		Main crop		Ratoon I		Ratoon II			
			Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	TOTAL	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	TOTAL
<b>A. LABOUR</b>																
1	Tractor ploughing @ Rs.500/ hr.	Hrs	5	2500					2500	5	2500					2500
2	Lay out & demarcation	MD	10	1260					1260	10	1260					1260
3	Digging of pits (0.45m x 0.45m x 0.45m)	MD	100	12600					12600	100	12600					12600
4	Filling of pits( carrying compost to pit, mixing with soil & basal dose of fertiliser, pesticide etc.)	MD	33	4158					4158	33	4158					4158
5	Planting followed with watering	MD	30	3780					3780	30	3780					3780
6	Irrigation	MD	125	15750	100	12600	100	12600	40950	125	15750	100	12600	100	12600	40950
7	Intercultural operation(hoeing, weeding, manuring, earthing up and application of fertiliser )	MD	160	20160	190	23940	190	23940	68040	160	20160	190	23940	190	23940	68040
8	Desuckering	MD	60	7560	90	11340	90	11340	30240	60	7560	90	11340	90	11340	30240
9	Application of PP chemicals	MD	40	5040	50	6300	50	6300	17640	40	5040	50	6300	50	6300	17640
10	Fencing	MD	75	9450	10	1260	10	1260	11970	75	9450	10	1260	10	1260	11970
11	Harvesting, Post harvest handling	MD	40	5040	40	5040	40	5040	15120	40	5040	40	5040	40	5040	15120
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>673</b>	<b>87298</b>	<b>480</b>	<b>60480</b>	<b>480</b>	<b>60480</b>	<b>208258</b>	<b>673</b>	<b>87298</b>	<b>480</b>	<b>60480</b>	<b>480</b>	<b>60480</b>	<b>208258</b>
<b>B. INPUTS</b>																
1	Planting material Rs.18.15( TC)/Rs.5.50 (Sucker)	Nos	3086	56011					56011	3086	16973					16973
2	Sucker treating chemicals @Rs.800/kg	Kg								1.5	1200					
3	Cost of manure @ Rs. 800 / MT	MT	30	24000	15	12000	15	12000	48000	30	24000	15	12000	15	12000	48000
4	Biofertilizers(Azotobactor +PSB) @ Rs.80/ kg	Kg	10	800					800	10	800					800
5	Fertilizers															
	N @ Rs.12.37 per Kg.	Kg	600	7422	600	7422	600	7422	22266	600	7422	600	7422	600	7422	22266
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	Kg	150	7170	75	3585	75	3585	14340	150	7170	75	3585	75	3585	14340
	K <sub>2</sub> O @ Rs.27.00 per Kg	Kg	900	24300	900	24300	900	24300	72900	900	24300	900	24300	900	24300	72900
6	Micronutrients	Kg		2500		2000		2000	6500		2500		2000		2000	6500
7	Cost of PP chemicals	LS		6000		6000		6000	18000		6000		6000		6000	18000
8	Irrigation charges	LS		6000		6000		6000	18000		6000		6000		6000	18000
9	Propping @ Rs15.00	LS		22500		15000		15000	52500		22500		15000		15000	52500
10	Mulching material	LS		20000				20000	20000		20000					20000
11	Fencing	LS		20000		5000		5000	30000		20000		5000		5000	30000
	<b>SUB TOTAL - B</b>			<b>196703</b>		<b>81307</b>		<b>81307</b>	<b>359317</b>		<b>158865</b>		<b>81307</b>		<b>81307</b>	<b>321479</b>
	Miscellaneous / Contingency @10%			28499		14113		14113	56725		24637		14113		14113	52863
	<b>GRAND TOTAL</b>			<b>312500</b>		<b>155900</b>		<b>155900</b>	<b>624300</b>		<b>270800</b>		<b>155900</b>		<b>155900</b>	<b>582600</b>
<b>Per plant (Rs.)</b>				<b>101</b>		<b>51</b>		<b>51</b>		<b>88</b>		<b>51</b>		<b>51</b>		
No. of bunches as % of plants				90%		90%		90%	8331		90%		90%		90%	8331
Bunch yield / ha. (nos)				2777		2777		2777	208275		2777		2777		2777	208275
Fruit yield / ha (kg) @25 kg/bunch				69425		69425		69425	2082750		69425		69425		69425	2082750
Income @ Rs.250/ bunch or Rs.10/kg				694250		694250		694250	2082750		694250		694250		694250	2082750
Net profit per hectare(Rs.)				381750		538350		538350	1458450		423450		538350		538350	1500150

Sl No	A. LABOUR
1	Tractor ploughing
2	Lay out & demarcation
3	Digging of pits
4	Filling of pits( carrying compost to pit, mixing with soil & basal dose of fertiliser, pesticide etc.)
5	Planting followed with watering
6	Irrigation
7	Intercultural operation(hoeing, weeding, manuring, earthing up and application of fertiliser )
8	Desuckering
9	Application of PP chemicals
10	Fencing
11	Harvesting, Post harvest handling
<b>B. INPUTS</b>	
1	Planting material
2	Sucker treating chemicals
3	Cost of manure
4	Biofertilizers(Azotobactor +PSB)
5	Fertilizers
	N @ Rs.12.37
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80
	K <sub>2</sub> O @ Rs.27.00
6	Micronutrients
7	Cost of PP chemicals
8	Irrigation charges
9	Propping @ Rs15.00
10	Mulching material
11	Fencing
	Miscellaneous / Contingency @10%
Per plant (Rs.)	
	No. of bunches as % of plants
	Bunch yield / ha. (nos)
	Fruit yield / ha (kg) @25 kg/bunch
	Income @ Rs.250/ bunch or Rs.10/kg
	Net profit per hectare(Rs.)



Banana (Bantal)																	
		Area -1ha.		Density-2500 plants		Spacing--2 m X 2 m		Labour @Rs.126/MD		Cost in Rupees							
		Tissue culture crop							Sucker crop								
Sl	Components of cost		Unit	Main crop		Ratoon I		Ratoon II		Main crop		Ratoon I		Ratoon II		TOTAL	
No	A. LABOUR			Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	TOTAL	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	TOTAL
			Hrs	5	2500					2500	5	2500					2500
			MD	8	1008					1008	8	1008					1008
			MD	80	10080					10080	80	10080					10080
			MD	27	3402					3402	27	3402					3402
			MD	25	3150					3150	25	3150					3150
			MD	100	12600	75	9450	75	9450	31500	100	12600	75	9450	75	9450	31500
			MD	115	14490	150	18900	150	18900	52290	115	14490	150	18900	150	18900	52290
			MD	40	5040	50	6300	50	6300	17640	40	5040	50	6300	50	6300	17640
			MD	40	5040	35	4410	35	4410	13860	40	5040	35	4410	35	4410	13860
			MD	75	9450	10	1260	10	1260	11970	75	9450	10	1260	10	1260	11970
			MD	30	3780	30	3780	30	3780	11340	30	3780	30	3780	30	3780	11340
			MD	<b>540</b>	<b>70540</b>	<b>350</b>	<b>44100</b>	<b>350</b>	<b>44100</b>	<b>158740</b>	<b>540</b>	<b>70540</b>	<b>350</b>	<b>44100</b>	<b>350</b>	<b>44100</b>	<b>158740</b>
			<b>SUB TOTAL - A</b>														
			<b>B. INPUTS</b>														
			Nos	2500	52000					52000	2500	19500					19500
			Kg							800	1	800					800
			MT	21	24000	10	8000	10	8000	40000	21	24000	10	8000	10	8000	40000
			Kg	10	800					800	10	800					800
			Kg	500	6185	500	6185	500	6185	18555	500	6185	500	6185	500	6185	18555
			Kg	100	4780	50	2390	50	2390	9560	100	4780	50	2390	50	2390	9560
			Kg	500	13500	500	13500	500	13500	40500	500	13500	500	13500	500	13500	40500
			Kg		1500		1200		1200	3900		1500		1200		1200	3900
			LS		6000		6000		6000	18000		6000		6000		6000	18000
			LS		6000		6000		6000	18000		6000		6000		6000	18000
			LS		25000		5000		12500	42500		25000		5000		12500	42500
			LS		20000					20000		20000					20000
			LS		20000		5000		5000	30000		20000		5000		5000	30000
					<b>179765</b>		<b>53275</b>		<b>60775</b>	<b>293815</b>		<b>148065</b>		<b>53275</b>		<b>60775</b>	<b>262115</b>
					25095		9725		10425	45245		21895		9725		10425	42045
			<b>GRAND TOTAL</b>				<b>275400</b>	<b>107100</b>	<b>115300</b>	<b>497800</b>	<b>240500</b>	<b>107100</b>	<b>115300</b>	<b>462900</b>			
			Per plant (Rs.)		110	43	46	96	43	46							
			No. of bunches as % of plants		90%	90%	90%	90%	90%	90%							
			Bunch yield / ha. (nos)		2250	2250	2250	6750	2250	2250							
			Fruit yield / ha (kg) @20 kg/bunch		45000	45000	45000	135000	45000	45000							
			Income @ Rs.240/ bunch or Rs.12/kg		540000	540000	540000	1620000	540000	540000							
			Net profit per hectare(Rs.)		264600	432900	424700	1122200	299500	432900							



**Banana (Patkapura / Amritpani)**

Area -1ha. Density-2268 plants Spacing--2.1 m X 2.1 m Labour @Rs.126/MD Cost in Rupees

Sl No	Components of cost	Unit	Tissue culture crop					Sucker crop								
			Main crop		Ratoon I		Ratoon II		Main crop		Ratoon I		Ratoon II			
			Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	TOTAL	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	TOTAL
<b>A. LABOUR</b>																
1	Tractor ploughing @ Rs.500/ hr.	Hrs	5	2500				2500	5	2500					2500	
2	Lay out & demarcation	MD	8	1008				1008	8	1008					1008	
3	Digging of pits (0.45m x 0.45m x 0.45m)	MD	73	9198				9198	73	9198					9198	
4	Filling of pits( carrying compost to pit, mixing with soil & basal dose of fertiliser, pesticide etc.)	MD	24	3024				3024	24	3024					3024	
5	Planting followed with watering	MD	20	2520				2520	20	2520					2520	
6	Irrigation	MD	100	12600	75	9450	75	9450	31500	100	12600	75	9450	75	9450	31500
7	Intercultural operation(hoeing, weeding, manuring, earthing up and application of fertiliser )	MD	115	14490	150	18900	150	18900	52290	115	14490	150	18900	150	18900	52290
8	Desuckering	MD	40	5040	50	6300	50	6300	17640	40	5040	50	6300	50	6300	17640
9	Application of PP chemicals	MD	40	5040	35	4410	35	4410	13860	40	5040	35	4410	35	4410	13860
10	Fencing	MD	75	9450	10	1260	10	1260	11970	75	9450	10	1260	10	1260	11970
11	Harvesting, Post harvest handling	MD	30	3780	30	3780	30	3780	11340	30	3780	30	3780	30	3780	11340
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>525</b>	<b>68650</b>	<b>350</b>	<b>44100</b>	<b>350</b>	<b>44100</b>	<b>156850</b>	<b>525</b>	<b>68650</b>	<b>350</b>	<b>44100</b>	<b>350</b>	<b>44100</b>	<b>156850</b>
<b>B. INPUTS</b>																
1	Planting material Rs.20.8( TC)/Rs.10.0 (Sucker)	Nos	2268	47174				47174	2500	25000					25000	
2	Sucker treating chemicals @Rs.800/kg	Kg							1	800						
3	Cost of manure @ Rs. 800 / MT	MT	21	24000	10	8000	10	8000	40000	21	24000	10	8000	10	8000	40000
4	Biofertilizers(Azotobactor +PSB) @ Rs.80/ kg	Kg	10	800				800	10	800					800	
5	Fertilizers															
	N @ Rs.12.37 per Kg.	Kg	500	6185	500	6185	500	6185	18555	500	6185	500	6185	500	6185	18555
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	Kg	100	4780	50	2390	50	2390	9560	100	4780	50	2390	50	2390	9560
	K <sub>2</sub> O @ Rs.27.00 per Kg	Kg	500	13500	500	13500	500	13500	40500	500	13500	500	13500	500	13500	40500
6	Micronutrients	Kg		1500		1200		1200	3900		1500		1200		1200	3900
7	Cost of PP chemicals	LS		6000		6000		6000	18000		6000		6000		6000	18000
8	Irrigation charges	LS		6000		6000		6000	18000		6000		6000		6000	18000
9	Propping @ Rs.20.00	LS		23000		4600		11500	39100		23000		4600		11500	39100
10	Mulching material	LS		20000				20000	20000		20000				20000	
11	Fencing	LS		20000		5000		5000	30000		20000		5000		5000	30000
	<b>SUB TOTAL - B</b>			<b>172939</b>		<b>52875</b>		<b>59775</b>	<b>285589</b>		<b>151565</b>		<b>52875</b>		<b>59775</b>	<b>264215</b>
	Miscellaneous / Contingency @10%			27385		10225		11725	49335		24185		10225		11725	46135
	<b>GRAND TOTAL</b>			<b>268974</b>		<b>107200</b>		<b>115600</b>	<b>491774</b>		<b>244400</b>		<b>107200</b>		<b>115600</b>	<b>467200</b>
	Per plant (Rs.)			119		47		51			108		47		51	
	No. of bunches as % of plants			90%		90%		90%			90%		90%		90%	
	Bunch yield / ha. (nos)			2040		2040		2040	6120		2040		2040		2040	6120
	Fruit yield / ha (kg) @20 kg/bunch			40800		40800		40800	122400		40800		40800		40800	122400
	Income @ Rs.250/ bunch or Rs.12.5/kg			510000		510000		510000	1530000		510000		510000		510000	1530000
	Net profit per hectare(Rs.)			241026		402800		394400	1038226		265600		402800		394400	1062800

Sl No	Cost (Rs.)	TOTAL
	2500	
	1008	
	9198	
	3024	
	2520	
9450	31500	
18900	52290	
6300	17640	
4410	13860	
1260	11970	
3780	11340	
44100	156850	
	25000	
8000	40000	
	800	
6185	18555	
2390	9560	
13500	40500	
1200	3900	
6000	18000	
6000	18000	
11500	39100	
	20000	
5000	30000	
59775	264215	
11725	46135	
115600	467200	
51		
90%	6120	
2040	122400	
40800	1530000	
510000	1062800	
394400		

Banana (Champa)																
Area -1ha. Density-2268 plants Spacing--2.1 m X 2.1 m Labour @Rs.126/MD Cost in Rupees																
Sl No	Components of cost	Unit	Tissue culture crop					Sucker crop								
			Main crop		Ratoon I		Ratoon II		Main crop		Ratoon I		Ratoon II			
			Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	TOTAL	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	TOTAL
<b>A. LABOUR</b>																
1	Tractor ploughing @ Rs.500/ hr.	Hrs	5	2500					2500	5	2500					2500
2	Lay out & demarcation	MD	8	1008					1008	8	1008					1008
3	Digging of pits (0.45m x 0.45m x 0.45m)	MD	73	9198					9198	73	9198					9198
4	Filling of pits( carrying compost to pit, mixing with soil & basal dose of fertiliser, pesticide etc.)	MD	24	3024					3024	24	3024					3024
5	Planting followed with watering	MD	20	2520					2520	20	2520					2520
6	Irrigation	MD	100	12600	75	9450	75	9450	31500	100	12600	75	9450	75	9450	31500
7	Intercultural operation(hoeing, weeding, manuring, earthing up and application of fertiliser )	MD	115	14490	150	18900	150	18900	52290	115	14490	150	18900	150	18900	52290
8	Desuckering	MD	40	5040	50	6300	50	6300	17640	40	5040	50	6300	50	6300	17640
9	Application of PP chemicals	MD	40	5040	35	4410	35	4410	13860	40	5040	35	4410	35	4410	13860
10	Fencing	MD	75	9450	10	1260	10	1260	11970	75	9450	10	1260	10	1260	11970
11	Harvesting, Post harvest handling	MD	30	3780	30	3780	30	3780	11340	30	3780	30	3780	30	3780	11340
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>525</b>	<b>68650</b>	<b>350</b>	<b>44100</b>	<b>350</b>	<b>44100</b>	<b>156850</b>	<b>525</b>	<b>68650</b>	<b>350</b>	<b>44100</b>	<b>350</b>	<b>44100</b>	<b>156850</b>
<b>B. INPUTS</b>																
1	Planting material Rs.20.8( TC)/Rs.4.50 (Sucker)	Nos	2268	47174					47174	2268	10206					10206
2	Sucker treating chemicals @Rs.800/kg	Kg								1	800					
3	Cost of manure @ Rs. 800 / MT	MT	21	24000	10	8000	10	8000	40000	21	24000	10	8000	10	8000	40000
4	Biofertilizers(Azotobactor +PSB) @ Rs.80/ kg	Kg	10	800					800	10	800					800
5	Fertilizers															
	N @ Rs.12.37 per Kg.	Kg	500	6185	500	6185	500	6185	18555	500	6185	500	6185	500	6185	18555
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	Kg	100	4780	50	2390	50	2390	9560	100	4780	50	2390	50	2390	9560
	K <sub>2</sub> O @ Rs.27.00 per Kg	Kg	500	13500	500	13500	500	13500	40500	500	13500	500	13500	500	13500	40500
6	Micronutrients	Kg		1500		1200		1200	3900		1500		1200		1200	3900
7	Cost of PP chemicals	LS		6000		6000		6000	18000		6000		6000		6000	18000
8	Irrigation charges	LS		6000		6000		6000	18000		6000		6000		6000	18000
9	Propping @ Rs.20.00	LS		23000		4600		11500	39100		23000		4600		11500	39100
10	Mulching material	LS		20000					20000		20000					20000
11	Fencing	LS		20000		5000		5000	30000		20000		5000		5000	30000
	<b>SUB TOTAL - B</b>			<b>172939</b>		<b>52875</b>		<b>59775</b>	<b>285589</b>		<b>136771</b>		<b>52875</b>		<b>59775</b>	<b>249421</b>
	Miscellaneous / Contingency @10%			27385		10225		11725	49335		24185		10225		11725	46135
	<b>GRAND TOTAL</b>			<b>268974</b>		<b>107200</b>		<b>115600</b>	<b>491774</b>		<b>229606</b>		<b>107200</b>		<b>115600</b>	<b>452406</b>
	Per plant (Rs.)			119		47		51			101		47		51	
	N of bunches as % of plants			90%		90%		90%			90%		90%		90%	
	Bunch yield / ha. (nos)			2040		2040		2040	6120		2040		2040		2040	6120
	Fruit yield / ha (kg) @20 kg/bunch			40800		40800		40800	122400		40800		40800		40800	122400
	Income @ Rs.200/ bunch or Rs.10/kg			408000		408000		408000	1224000		408000		408000		408000	1224000
	Net profit per hectare(Rs.)			139026		300800		292400	732226		178394		300800		292400	771594





Cost in Rupees

7-20th year  
Nos Cost (Rs.)

5 2500

30 3780

25 3150

25 3150

40 5040

120 17620

20 16000

100 1237

50 2390

50 1350

5000

6000

31977

4903

54500

136

**Guava (*Psidium guajava*)**

		Area -1ha.		Density-278 plants				Spacing-6 m X 6 m								
Sl No	Components of cost	Unit	1st year		2nd year		3rd year		4th year		5th year		6th year		7-20th year	
			Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)
<b>A. LABOUR</b>																
1	Tractor ploughing@Rs.500/ hr& bullock plough or Power tiller from 2nd year onwards proportionate to the cost	Hrs	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500
2	Lay out & demarcation	MD	3	378												
3	Digging of pits (1 mx 1 mx 1 m)	MD	100	12600	8	1008	4	504								
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	MD	33	4158	3	378	1	126								
5	Planting followed by watering	MD	5	630	1	126	1	126								
6	Staking	MD	6	756	1	126										
7	Irrigation	MD	100	12600	96	12096	30	3780	30	3780	30	3780	30	3780	30	3780
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	MD	30	3780	35	4410	40	5040	25	3150	25	3150	25	3150	25	3150
9	Application of PP chemicals & Hormone	MD	15	1890	15	1890	15	1890	20	2520	20	2520	20	2520	25	3150
10	Training & pruning	MD	5	630	3	378	6	756	10	1260	10	1260	10	1260	10	1260
11	Harvesting, Post harvest handling	MD					7	882	13	1638	25	3150	25	3150	25	3150
	<b>SUB TOTAL - A</b>	MD	<b>297</b>	<b>39922</b>	<b>162</b>	<b>22912</b>	<b>104</b>	<b>15604</b>	<b>98</b>	<b>14848</b>	<b>110</b>	<b>16360</b>	<b>110</b>	<b>16360</b>	<b>115</b>	<b>16990</b>
<b>B. INPUTS</b>																
1	Planting material @ Rs.28 /graft / gootee	Nos	278	7784	20	560	10	280								
2	Cost of manure @ Rs. 800 / MT	MT	14	6400	2.75	2200	5.5	4400	7	5600	7	5600	7	5600	7	5600
3	Fertilizers															
	N @ Rs.12.37 per Kg.	Kg	13.75	170	27.50	340	40.00	495	55.00	680	68.75	850	61.5	761	71.5	884
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	Kg	8.25	394	16.50	789	25.00	1195	35.00	1673	55.00	2629	70.00	3346	88.00	4206
	K <sub>2</sub> O @ Rs.27.00 per Kg	Kg	11	297	22.00	594	33.00	891	44.00	1188	55.00	1485	61.5	1661	71.5	1931
4	Micronutrients	LS		1000		1500		2000		3000		4000		4000		5000
5	Cost of PP chemicals & hormones	LS		4000		2000		3000		4000		5000		5000		6000
6	Cost of staking material @Rs.5/	Nos	278	1390		695										
7	Irrigation charges	LS		4000		4000		4000		2000		2000		2000		2000
8	Mulching material	LS		20000												
9	Fencing materials	LS		20000		5000		5000		5000		5000		5000		5000
	<b>SUB TOTAL - B</b>			<b>65435</b>		<b>17678</b>		<b>21261</b>		<b>23141</b>		<b>21564</b>		<b>22367</b>		<b>25621</b>
	Miscellaneous / Contingency @10%			10543		4010		3635		3711		3776		3873		4289
	<b>GRAND TOTAL</b>			<b>115900</b>		<b>44600</b>		<b>40500</b>		<b>41700</b>		<b>41700</b>		<b>42600</b>		<b>46900</b>
	Per plant (Rs.)			290		111		101		104		104		107		117

Yield (Year)	3	4	5	6	7	8 to 40
Fruit Yield per tree (Kg)	5	10	20	30	40	60
Income per tree (Rs.)	1390	2780	5560	8340	11120	16680
Income @ Rs.10/ Kg	13900	27800	55600	83400	111200	166800



**Jack fruit (*Artocarpus heterophyllus*)**

Area -1ha

Density-125 plants

Spacing--9 m X 9 m

Sl No	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7th year		8th year		9th year		10-40th year	
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>																					
1	Tractor ploughing@Rs 500/ hr& bullock plough or Power tiller from 2nd year onwards proportionate to the cost	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500
2	Lay out & demarcation	2	252																		
3	Digging of pits (1mx1mx1m)	45	5670	4	504	2	252														
4	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	15	1890	2	252	1	126														
5	Planting followed by watering	2	252	1	126	1	126														
6	Staking	2	252																		
7	Irrigation	68	8568	80	10080	90	11340	45	5670	45	5670	45	5670	45	5670	45	5670	45	5670	45	5670
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	12	1512	14	1764	16	2016	18	2268	20	2520	20	2520	20	2520	20	2520	20	2520	20	2520
9	Application of PP chemicals & Hormone	10	1260	7	882	8	1008	10	1260	12	1512	14	1764	16	2016	18	2268	20	2520	22	2772
10	Training & pruning	2	252	2	252	2	252	2	252	2	252	2	252	2	252	2	252	2	252	2	252
11	Harvesting, Post harvest handling					2	252	10	1260	20	2520	30	3780	40	5040	50	6300	50	6300	50	6300
<b>SUB TOTAL - A</b>		<b>158</b>	<b>22408</b>	<b>110</b>	<b>16360</b>	<b>122</b>	<b>17872</b>	<b>40</b>	<b>13210</b>	<b>99</b>	<b>14974</b>	<b>111</b>	<b>16486</b>	<b>123</b>	<b>17998</b>	<b>135</b>	<b>19510</b>	<b>137</b>	<b>19762</b>	<b>139</b>	<b>20014</b>
<b>B. INPUTS</b>																					
1	Planting material @ Rs.14 /seedling	125	1750	13	175	6	88														
2	Cost of manure @ Rs. 800 / MT	6.25	5000	1.25	1000	2.5	2000	2.5	2000	3.75	3000	5	4000	6.25	5000	6.25	5000	6.25	5000	6.25	5000
3	Fertilizers																				
	N @ Rs.12.37 per Kg.	9.5	90	19.0	181	28.5	271	38.0	361	47.5	452	57.0	542	66.5	632	66.5	1264	66.5	1896	66.5	2528
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	5	86	10.0	172	15.0	258	20.0	344	25.0	430	30.0	516	35.0	602	35.0	1205	35.0	1807	35.0	2409
	K <sub>2</sub> O @ Rs.27.00 per Kg	4	184	8.0	367	12.0	551	16.0	734	20.0	918	24.0	1102	28.0	1285	28.0	2570	28.0	3856	28.0	5141
4	Micronutrients						500		750		1000		1000		1250		1500		1500		1500
5	Cost of PP chemicals & hormones		2000		1500		2000		2200		2200		2500		2500		2700		3000		3000
6	Cost of staking material @Rs.5/	125	625		300																
7	Irrigation charges		2000		2000		3000		3000		4000		4000		4000		4000		4000		4000
8	Mulching material		20000																		4000
9	Fencing materials		20000		5000		5000		5000												
<b>SUB TOTAL - B</b>			<b>51735</b>		<b>10695</b>		<b>13667</b>		<b>14390</b>		<b>12000</b>		<b>13660</b>		<b>15270</b>		<b>18239.2</b>		<b>21059</b>		<b>23578</b>
Miscellaneous / Contingency @10%			7457		2745		3161		2700		2626		3054		3332		3751		4079		4308
<b>GRAND TOTAL</b>			<b>81600</b>		<b>29800</b>		<b>34700</b>		<b>30300</b>		<b>29600</b>		<b>33200</b>		<b>36600</b>		<b>41500</b>		<b>44900</b>		<b>47900</b>
<b>Per plant (Rs.)</b>			<b>653</b>		<b>238</b>		<b>278</b>		<b>242</b>		<b>237</b>		<b>266</b>		<b>293</b>		<b>332</b>		<b>359</b>		<b>383</b>

Yield / Year ----->	6	7	8	9	10	11	12 to 40
Kg per plant	20	50	70	100	150	175	250
Kg per Ha.	2500	6250	8750	12500	18750	21875	31250
Income @ Rs.5.00 per Kg	12500	31250	43750	62500	93750	109375	156250

Sl No	Components of cost	1st year	2nd year	3rd year	4th year	5th year	6th year	7th year	8th year	9th year	10-40th year
<b>A. LABOUR</b>											
1	Tractor ploughing@Rs 500/ hr& bullock plough or Power tiller from 2nd year onwards proportionate to the cost	5	2500	5	2500	5	2500	5	2500	5	2500
2	Lay out & demarcation	2	252								
3	Digging of pits (0.6mx0.6mx0.6m)	45	5670	4	504	2	252				
4	Filling of pits( carrying soil & basal dose of fertilizer)	15	1890	2	252	1	126				
5	Planting followed by watering	2	252	1	126	1	126				
6	Staking	2	252								
7	Irrigation	68	8568	80	10080	90	11340	45	5670	45	5670
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	12	1512	14	1764	16	2016	18	2268	20	2520
9	Application of PP chemicals & Hormone	10	1260	7	882	8	1008	10	1260	12	1512
10	Training & pruning	2	252	2	252	2	252	2	252	2	252
11	Harvesting, Post harvest handling					2	252	10	1260	20	2520
<b>SUB TOTAL - A</b>		<b>158</b>	<b>22408</b>	<b>110</b>	<b>16360</b>	<b>122</b>	<b>17872</b>	<b>40</b>	<b>13210</b>	<b>99</b>	<b>14974</b>
<b>B. INPUTS</b>											
1	Planting material @ Rs.14 /seedling	125	1750	13	175	6	88				
2	Cost of manure @ Rs. 800 / MT	6.25	5000	1.25	1000	2.5	2000	2.5	2000	3.75	3000
3	Fertilizers										
	N @ Rs.12.37 per Kg.	9.5	90	19.0	181	28.5	271	38.0	361	47.5	452
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	5	86	10.0	172	15.0	258	20.0	344	25.0	430
	K <sub>2</sub> O @ Rs.27.00 per Kg	4	184	8.0	367	12.0	551	16.0	734	20.0	918
4	Micronutrients						500		750		1000
5	Cost of PP chemicals & hormones		2000		1500		2000		2200		2200
6	Cost of staking material @Rs.5/	125	625		300						
7	Irrigation charges		2000		2000		3000		3000		4000
8	Mulching material		20000								
9	Fencing materials		20000		5000		5000		5000		
<b>SUB TOTAL - B</b>			<b>51735</b>		<b>10695</b>		<b>13667</b>		<b>14390</b>		<b>12000</b>
Miscellaneous / Contingency @10%			7457		2745		3161		2700		2626
<b>GRAND TOTAL</b>			<b>81600</b>		<b>29800</b>		<b>34700</b>		<b>30300</b>		<b>29600</b>
<b>Per plant (Rs.)</b>			<b>653</b>		<b>238</b>		<b>278</b>		<b>242</b>		<b>237</b>

Yield / Year ----->	6	7	8	9	10	11	12 to 40
No. of fruits per plant	20	50	70	100	150	175	250
No. of fruits per Ha.	2500	6250	8750	12500	18750	21875	31250
Income @ Rs. 50	12500	31250	43750	62500	93750	109375	156250

10	10th year
Unit	Cost (Rs.)
MD	
5	2500
45	5670
20	2520
22	2772
2	252
50	6300
139	20014
6.25	5000
66.5	2528
35.0	2409
28.0	5141
	1500
	3000
	4000
23578	
4308	
47900	
383	
12 to 40	
250	
31250	
156250	

**K.lime(Citrus aurantifolia)**

		Area -1ha.		Density-400 plants				Spacing--5m X 5m								
Sl No	Components of cost	Unit	1st year		2nd year		3rd year		4th year		5th year		6th year		7-20th year	
			Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)
1	Tractor ploughing@Rs.500/ hr& bullock plough or Power tiller from 2nd year onwards proportionate to the cost	Hrs	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500
2	Lay out & demarcation	MD	4	504												
3	Digging of pits (0.6mx0.6mx0.6m)	MD	32	4032	4	504	2	252								
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	MD	11	1386	2	252	1	126								
5	Planting followed by watering	MD	8	1008	2	252	1	126								
6	Staking	MD	8	1008	1	126										
7	Irrigation	MD	150	18900	150	18900	60	7560	60	7560	60	7560	60	7560	60	7560
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	MD	24	3024	28	3528	30	3780	30	3780	30	3780	30	3780	30	3780
9	Application of PP chemicals & Hormone	MD	27	3402	20	2520	24	3024	25	3150	25	3150	25	3150	25	3150
10	Training & pruning	MD	20	2520	20	2520	25	3150	25	3150	25	3150	25	3150	25	3150
11	Harvesting, Post harvest handling	MD					8	1008	12	1512	24	3024	40	5040	40	5040
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>284</b>	<b>38284</b>	<b>227</b>	<b>31102</b>	<b>151</b>	<b>21526</b>	<b>152</b>	<b>21652</b>	<b>164</b>	<b>23164</b>	<b>180</b>	<b>25180</b>	<b>180</b>	<b>25180</b>
	<b>B. INPUTS</b>															
1	Planting material @ Rs.13 /seedling	Nos	400	5200	20	260	10	130								
2	Cost of manure @ Rs. 800 / MT	MT	8	6400	8	6400	12	9600	16	12800	20	16000	20	16000	20	16000
3	Fertilizers															
	N @ Rs.12.37 per Kg.	Kg	29.2	361	58.40	722	87.60	1084	116.8	1444.8	175.2	2167	233.6	2890	292	3612
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	Kg	7.2	344	14.40	688	21.60	1032	28.8	1376.6	43.2	2065	57.6	2753	72	3442
	K <sub>2</sub> O @ Rs.27.00 per Kg	Kg	27.2	734	54.40	1469	81.60	2203	108.8	2937.6	163.2	4406	217.6	5875	272	7344
4	Micronutrients	LS		1000		1500		2000		3000		4000		4000		5000
5	Cost of PP chemicals & hormones	LS		4000		2000		3000		4000		5000		5000		6000
6	Cost of staking material @Rs.5/	Nos	400	2000		1000						2500		4000		5000
7	Irrigation charges	LS		4000		4000		4500		6000		6000		6000		6000
8	Mulching material	LS		20000												
9	Fencing materials	LS		20000		5000		5000		5000		5000				
	<b>SUB TOTAL - B</b>			<b>64040</b>		<b>23040</b>		<b>28549</b>		<b>36559</b>		<b>42139</b>		<b>46518</b>		<b>52398</b>
	Miscellaneous / Contingency @10%			10276		5458		5025		5889		6597		7102		7722
	<b>GRAND TOTAL</b>			<b>112600</b>		<b>59600</b>		<b>55100</b>		<b>64100</b>		<b>71900</b>		<b>78800</b>		<b>85300</b>
	Per plant (Rs.)			281		149		138		160		180		197		213

Yield / Year ----->	3	4	5	6	7	8	9 to20
No. of fruits per plant	100	200	300	500	1000	1500	2000
No. of fruits per Ha.	40000	80000	120000	200000	400000	600000	800000
Income @ Rs. 50 per 100 fruits	20000	40000	60000	100000	200000	300000	400000



**Litchi (*Litchi chinensis*)**

Area -1ha		Density-200 plants		Spacing--7 m X 7 m		Labour @ Rs 126/MD		Cost in Rupees													
Sl No	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7th year		8th year		9th year		10-40th year	
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>																					
1	Tractor ploughing@Rs 500/ hr& bullock plough or Power tiller from 2nd year onwards proportionate to the cost	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500
2	Lay out & demarcation	3	378																		
3	Digging of pits (1mx1mx1m)	72	9072	8	1008	4	504														
4	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	24	3024	3	378	1	126														
5	Planting followed by watering	4	504	1	126	1	126														
6	Staking	4	504	2	252																
7	Irrigation	68	8568	64	8064	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	18	2268	35	4410	40	5040	45	5670	50	6300	50	6300	50	6300	50	6300	50	6300	50	6300
9	Application of PP chemicals & Hormone	9	1134	12	1512	12	1512	15	1890	18	2268	25	3150	30	3780	40	5040	50	6300	50	6300
10	Training & pruning	1	126	3	378	6	756	6	756	10	1260	10	1260	12	1512	12	1512	15	1890	15	1890
11	Harvesting, Post harvest handling																				
	<b>SUB TOTAL - A</b>	<b>203</b>	<b>28078</b>	<b>128</b>	<b>18628</b>	<b>124</b>	<b>18124</b>	<b>66</b>	<b>18376</b>	<b>138</b>	<b>19888</b>	<b>155</b>	<b>22030</b>	<b>167</b>	<b>23542</b>	<b>182</b>	<b>25432</b>	<b>205</b>	<b>28330</b>	<b>225</b>	<b>30850</b>
<b>B. INPUTS</b>																					
1	Planting material @ Rs.32 /graft	200	6400	20	640	10	320														
2	Cost of manure @ Rs. 800 / MT	10	8000	2	1600	4	3200	6	3200	8	4800	10	6400	10	8000	10	8000	10	8000	10	8000
3	Fertilizers																				
	N @ Rs 12.37 per Kg	17	90	34	181	51	271	68	361	85	452	102	542	119	632	136	722	153	813	170	903
	P <sub>2</sub> O <sub>5</sub> @Rs 47.80 per Kg	8	86	16	172	24	258	32	344	40	430	48	516	56	602	64	688	72	774	80	860
	K <sub>2</sub> O @ Rs.27.00 per Kg	7	184	14	367	21	551	28	734	35	918	42	1102	49	1285	56	1469	63	1652	70	1836
4	Micronutrients (Zinc & Boron)						1000		1250		1500		2000		2500		2500		2500		2500
5	Cost of PP chemicals & hormones		1500		1000		1250		1500		1500		2000		2500		2700		3000		3000
6	Cost of staking material @Rs.5/	200	1000		1000						4000		4000		4000		4000		4000		4000
7	Irrigation charges		2000		2000		3000		3000		4000		4000		4000		4000		4000		4000
8	Mulching material		20000						5000		5000										
9	Fencing materials		20000		5000		5000		5000		5000										
	<b>SUB TOTAL - B</b>		<b>59260</b>		<b>11960</b>		<b>14850</b>		<b>15390</b>		<b>13600</b>		<b>16560</b>		<b>19520</b>		<b>20079.5</b>		<b>20739</b>		<b>21099.4</b>
	Miscellaneous / Contingency @10%		8762		3012		3726		3934		3312		3810		4338		4588		4931		5151
	<b>GRAND TOTAL</b>		<b>96100</b>		<b>33600</b>		<b>36700</b>		<b>37100</b>		<b>36800</b>		<b>42400</b>		<b>47400</b>		<b>50100</b>		<b>54000</b>		<b>57100</b>
	<b>Per plant (Rs.)</b>		<b>961</b>		<b>336</b>		<b>367</b>		<b>371</b>		<b>368</b>		<b>424</b>		<b>474</b>		<b>501</b>		<b>540</b>		<b>571</b>

Yield / Year ----->	6	7	8	9	10	11	12 to 40
Kg per plant	2	6	12	20	30	40	50
Kg per Ha	400	1200	2400	4000	6000	8000	10000
Income @ Rs 40 per Kg	16000	48000	96000	160000	240000	320000	400000

**Mango (*Mangifera indica*) (Normal Density)**

		Area -1ha.		Density-100 plants								Spacing--10m X 10m									
SI	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7th year		8th year		9th year		10 -40th year	
No		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>																					
1	Tractor ploughing@Rs.500/ hr& bullock plough or Power tiller from 2nd year onwards proportionate to the cost	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500
2	Lay out & demarcation	2	252																		
3	Digging of pits (1mx1mx1m)	38	4788	7	882	2	252														
4	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	13	1638	1	126	1	126														
5	Planting followed by watering	2	252	1	126	1	126														
6	Staking	3	378																		
7	Irrigation	80	10080	80	10080	80	10080	30	3780	30	3780	30	3780	30	3780	30	3780	30	3780	30	3780
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	30	3780	35	4410	40	5040	45	5670	50	6300	50	6300	50	6300	50	6300	50	6300	50	6300
9	Application of PP chemicals & Hormone	10	1260	10	1260	10	1260	20	2520	25	3150	25	3150	45	5670	50	6300	50	6300	50	6300
10	Training & pruning	3	378	3	378	6	756	6	756	10	1260	10	1260	12	1512	12	1512	15	1890	15	1890
11	Harvesting, Post harvest handling					2	252	10	1260	20	2520	30	3780	40	5040	50	6300	50	6300	50	6300
	<b>SUB TOTAL - A</b>	<b>181</b>	<b>25306</b>	<b>137</b>	<b>19762</b>	<b>142</b>	<b>20392</b>	<b>81</b>	<b>16486</b>	<b>135</b>	<b>19510</b>	<b>145</b>	<b>20770</b>	<b>177</b>	<b>24802</b>	<b>192</b>	<b>26692</b>	<b>195</b>	<b>27070</b>	<b>195</b>	<b>27070</b>
<b>B. INPUTS</b>																					
1	Planting material @ Rs.32.50 /graft	100	3250	10	325	5	163														
2	Cost of manure @ Rs. 800 / MT	5	4000	1	800	2	1600	2	1600	3	2400	4	3200	5	4000	5	4000	5	4000	5	4000
3	Fertilizers																				
	N @ Rs.12.37 per Kg.	7.3	90	14.6	181	21.9	271	29.2	361	36.5	452	43.8	542	51.1	632	58.4	722	65.7	813	73.0	903
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	1.8	86	3.6	172	5.4	258	7.2	344	9.0	430	10.8	516	12.6	602	14.4	688	16.2	774	18.0	860
	K <sub>2</sub> O @ Rs.27.00 per Kg	6.8	184	13.6	367	20.4	551	27.2	734	34.0	918	40.8	1102	47.6	1285	54.4	1469	61.2	1652	68.0	1836
4	Micronutrients						500		750		1000		1000		1250		1500		1500		1500
5	Cost of PP chemicals & hormones		1500		1500		2000		2200		2200		2500		2500		2700		3000		3000
6	Cost of staking material @Rs.5/	100	500		250																
7	Irrigation charges		2000		2000		3000		3000		4000		4000		4000		4000		4000		4000
8	Mulching material		20000				5000		5000												
9	Fencing materials		20000		5000		5000		5000												
	<b>SUB TOTAL -B</b>		<b>51610</b>		<b>10595</b>		<b>13342</b>		<b>13990</b>		<b>11400</b>		<b>12860</b>		<b>14270</b>		<b>15079.5</b>		<b>15739</b>		<b>16099.4</b>
	Miscellaneous / Contingency @10%		7684		3043		3366		3164		3230		3580		3928		4128		4291		4331
	<b>GRAND TOTAL</b>		<b>84600</b>		<b>33400</b>		<b>37100</b>		<b>33640</b>		<b>34140</b>		<b>37210</b>		<b>43000</b>		<b>45900</b>		<b>47100</b>		<b>47500</b>
	Per plant (Rs )		846		334		371		336		341		372		430		459		471		475

Year	3	4	5	6	7	8	9	10 to 40
Planting material	5	10	15	20	50	80	100	120
Manure	500	1000	1500	2000	5000	8000	10000	12000
Fertilizers	10000	20000	30000	40000	100000	160000	200000	240000
Inputs @ Rs 20 per Kg								



**Mango (*Mangifera indica*) (Medium Density)**

Area - 1ha		Density-400 plants				Spacing-5m x 5m				Labour @ Rs. 126/MD		Cost in Rupees									
No	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7th year		8th year		9th year		10-40th year	
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>																					
1	Tractor ploughing @ Rs 500/ hr & bullock plough or Power tiller from 2nd year onwards proportionate to the cost	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500
2	Lay out & demarcation	4	504																		
3	Digging of pits (1m x 1m x 1m)	150	18900	16	2016	7	882														
4	Intercultural operation (hoeing, weeding, application of fertiliser & manure)	50	6300	5	630	2	252														
5	Planting followed by watering	8	1008	2	252	1	126														
6	Staking	5	630																		
7	Irrigation	160	20160	160	20160	160	20160	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560	60	7560
8	Intercultural operation (hoeing, weeding, application of fertiliser & manure)	30	3780	35	4410	40	5040	45	5670	50	6300	50	6300	50	6300	50	6300	50	6300	50	6300
9	Application of PP chemicals & Hormone	20	2520	20	2520	25	3150	30	3780	35	4410	40	5040	45	5670	50	6300	50	6300	50	6300
10	Training & pruning	3	378	3	378	6	756	6	756	10	1260	10	1260	12	1512	12	1512	15	1890	15	1890
11	Harvesting, Post harvest handling					1	126	10	1260	20	2520	30	3780	40	5040	50	6300	50	6300	50	6300
	<b>SUB TOTAL - A</b>	<b>430</b>	<b>56680</b>	<b>241</b>	<b>32866</b>	<b>242</b>	<b>32992</b>	<b>151</b>	<b>21526</b>	<b>175</b>	<b>24550</b>	<b>190</b>	<b>26440</b>	<b>207</b>	<b>28582</b>	<b>222</b>	<b>30472</b>	<b>225</b>	<b>30850</b>	<b>225</b>	<b>30850</b>
<b>B. INPUTS</b>																					
1	Planting material @ Rs 32.50 /graft	400	13000	40	1300	20	650														
2	Cost of manure @ Rs. 800 / MT	20	16000	4	3200	8	6400	8	6400	12	9600	16	12800	20	16000	20	16000	20	16000	20	16000
3	Fertilizers																				
	N @ Rs. 12.37 per Kg.	29.2	90	58.4	181	87.6	271	116.8	361	146.0	452	175.2	542	204.4	632	233.6	722	262.8	813	292.0	903
	P <sub>2</sub> O <sub>5</sub> @ Rs. 47.80 per Kg	7.2	86	14.4	172	21.6	258	28.8	344	36.0	430	43.2	516	50.4	602	57.6	688	64.8	774	72.0	860
	K <sub>2</sub> O @ Rs. 27.00 per Kg	27.2	184	54.4	367	81.6	551	108.8	734	136.0	918	163.2	1102	190.4	1285	217.6	1469	244.8	1652	272.0	1836
4	Micronutrients						1000		1500		2000		2000		2500		3000		3000		3000
5	Cost of PP chemicals & hormones		2500		3000		4000		5000		5000		5000		5000		5000		5000		5000
6	Cost of staking material @ Rs 3/		1200		400																
7	Irrigation charges		4000		3000		3500		5000		5000		5000		5000		5000		5000		5000
8	Mulching material		20000																		
9	Fencing		20000		5000		5000		5000												
	<b>SUB TOTAL - B</b>		<b>77060</b>		<b>16620</b>		<b>21630</b>		<b>24340</b>		<b>23400</b>		<b>26959.6</b>		<b>31020</b>		<b>31880</b>		<b>32239</b>		<b>32599</b>
	Miscellaneous / Contingency @ 10%		13360		4914		5478		4534		4750		5300		5998		6248		6311		6351
	<b>GRAND TOTAL</b>		<b>147100</b>		<b>54400</b>		<b>60100</b>		<b>50400</b>		<b>52700</b>		<b>58700</b>		<b>65600</b>		<b>68600</b>		<b>69400</b>		<b>69800</b>
	<b>Per plant (Rs.)</b>		<b>368</b>		<b>136</b>		<b>150</b>		<b>126</b>		<b>132</b>		<b>147</b>		<b>164</b>		<b>171</b>		<b>174</b>		<b>175</b>

Yield / Year ----->	3	4	5	6	7	8	9	10 to 40
Kg per plant	5	10	15	20	50	60	60	60
Kg per Ha	2000	4000	6000	8000	20000	24000	24000	24000
Income @ Rs 20 per Kg	40000	80000	120000	160000	400000	480000	480000	480000

SI No	Components
<b>A. LABOUR</b>	
1	Tractor ploughing @ Rs 500/ hr & bullock plough or Power tiller from 2nd year onwards proportionate to the cost
2	Lay out & demarcation
3	Digging of pits (1m x 1m x 1m)
4	Intercultural operation (hoeing, weeding, application of fertiliser & manure)
5	Planting followed by watering
6	Staking
7	Irrigation
8	Intercultural operation (hoeing, weeding, application of fertiliser & manure)
9	Application of PP chemicals & Hormone
10	Training & pruning
11	Harvesting, Post harvest handling
	<b>SUB TOTAL - A</b>
<b>B. INPUTS</b>	
1	Planting material @ Rs 32.50 /graft
2	Cost of manure @ Rs. 800 / MT
3	Fertilizers
	N @ Rs. 12.37 per Kg.
	P <sub>2</sub> O <sub>5</sub> @ Rs. 47.80 per Kg
	K <sub>2</sub> O @ Rs. 27.00 per Kg
4	Micronutrients
5	Cost of PP chemicals & hormones
6	Cost of staking material @ Rs 3/
7	Irrigation charges
8	Mulching material
9	Fencing material
	<b>SUB TOTAL - B</b>
	Miscellaneous / Contingency @ 10%
	<b>GRAND TOTAL</b>
	<b>Per plant (Rs.)</b>
	Yield / Year ----->
	No. of fruits per plant
	Fruit Yield per plant
	Fruit Yield per Ha (kg)
	Income @ Rs. 20 per Kg

**Orange(Citrus reticulata)**

		Area -1ha.		Density-275 plants				Spacing--6m X 6m								
Sl No	Components of cost	Unit	1st year		2nd year		3rd year		4th year		5th year		6th year		7-20th year	
			Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)
	<b>A. LABOUR</b>															
1	Tractor ploughing@Rs.500/ hr& bullock plough or Power tiller from 2nd year onwards proportionate to the cost	Hrs	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500
2	Lay-out & demarcation	MD	3	378												
3	Digging of pits (1mx1mx1m)	MD	100	12600	8	1008	4	504								
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	MD	33	4158	2	252	1	126								
5	Planting followed by watering	MD	7	882	1	126	1	126								
6	Staking	MD	6	756	2	252					5	630	10	1260	30	3780
7	Irrigation	MD	96	12096	96	12096	50	6300	50	6300	50	6300	50	6300	50	6300
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	MD	30	3780	35	4410	40	5040	30	3780	30	3780	30	3780	30	3780
9	Application of PP chemicals & Hormone	MD	19	2394	20	2520	22	2772	25	3150	25	3150	30	3780	30	3780
10	Training & pruning	MD	3	378	3	378	6	756	6	756	6	756	6	756	6	756
11	Harvesting, Post harvest handling	MD									10	1260	18	2268	22	2772
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>297</b>	<b>39922</b>	<b>167</b>	<b>23542</b>	<b>124</b>	<b>18124</b>	<b>111</b>	<b>16486</b>	<b>126</b>	<b>18376</b>	<b>144</b>	<b>20644</b>	<b>168</b>	<b>23668</b>
	<b>B. INPUTS</b>															
1	Planting material @ Rs.32 /graft/Budded	Nos	275	8800	14	448	7	224								
2	Cost of manure @ Rs. 800 / MT	MT	7	6400	3	6400	4	9600	5	12800	6	16000	7	16000	7	16000
3	Fertilizers															
	N @ Rs.12.37 per Kg.	Kg	25	309	50.00	619	75.00	928	100	1237	125	1546	125	1546	125	1546
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	Kg	25	1195	50.00	2390	75.00	3585	100	4780	125	5975	125	5975	125	5975
	K <sub>2</sub> O @ Rs.27.00 per Kg	Kg	25	675	50.00	1350	75.00	2025	100	2700	125	3375	200	5400	250	6750
4	Micronutrients	LS		750		1000		1500		2500		3500		4000		5000
5	Cost of PP chemicals & hormones	LS		4000		2000		3000		4000		5000		5000		6000
6	Cost of staking material @Rs.5/	Nos	275	1375		750						2500		4000		6000
7	Irrigation charges	LS		4000		4000		4500		6000		6000		6000		6000
8	Mulching material	LS		20000												
9	Fencing materials	LS		20000		5000		5000		5000						
	<b>SUB TOTAL -B</b>			<b>67504</b>		<b>23957</b>		<b>30362</b>		<b>39017</b>		<b>43896</b>		<b>47921</b>		<b>53271</b>
	Miscellaneous / Contingency @10%			10774		4701		4814		5597		6228		6835		7661
	<b>GRAND TOTAL</b>			<b>118200</b>		<b>52200</b>		<b>53300</b>		<b>61100</b>		<b>68500</b>		<b>75400</b>		<b>84600</b>

Per plant (Rs.) 296 130 133 153 171 189 212

Yield Year ----->	5	6	7	8	9	10	11 to 25
No. of fruits per plant	50	100	250	400	500	700	800
Fruit yield per plant (Kg)	7.14	14.29	35.71	57.14	71.43	100.00	114.29
Fruit yield per Ha (Kg)	1964	3929	9821	15714	19643	27500	31429
Income @ Rs. 15/Kg	29464	58928.57	147321	235714.3	294643	412500	471429



Papaya ( <i>Carica papaya</i> )																			
Area -1ha		Hybrid						Gynodiocious						Diocious					
		Density-2500 plants Spacing--2 m X 2 m			Density-3086 Spacing--1.8 m X 1.8 m			Density-3086 Spacing--1.8 m X 1.8 m			1st Year		2nd Year		3rd Year				
		1st Year		2nd Year		3rd Year		1st Year		2nd Year		3rd Year		1st Year		2nd Year		3rd Year	
Sl	Components of cost	Unit	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	
<b>A. LABOUR</b>																			
1	Tractor ploughing @ Rs.500/ hr.	Hrs	5	2500					5	2500					5	2500			
2	Lay out & demarcation	MD	10	1260					10	1260					10	1260			
3	Digging of pits (0.6 m x 0.6 m x 0.6 m)	MD	191	24066					236	29736					236	29736			
4	Filling of pits with compost, soil, basal dose of fertiliser, pesticide etc.)	MD	64	8064					78	9828					78	9828			
5	Planting followed with watering	MD	20	2520					20	2520					20	2520			
6	Staking	MD	10	1260					10	1260					10	1260			
7	Irrigation	MD	150	18900	80	10080	80	10080	150	18900	80	10080	80	10080	150	18900	80	10080	
8	Intercultural operation(hoeing, weeding, earthing up & application of fertiliser )	MD	36	4536	30	3780	30	3780	36	4536	30	3780	30	3780	36	4536	30	3780	
9	Application of PP chemicals	MD	20	2520	25	3150	25	3150	20	2520	25	3150	25	3150	20	2520	25	3150	
10	Fencing	MD	75	9450	10	1260	10	1260	75	9450	10	1260	10	1260	75	9450	10	1260	
11	Harvesting, Post harvest handling	MD	125	15750	150	18900	150	18900	125	15750	150	18900	150	18900	125	15750	150	18900	
<b>SUB TOTAL - A</b>			<b>MD</b>	<b>701</b>	<b>90826</b>	<b>295</b>	<b>37170</b>	<b>295</b>	<b>37170</b>	<b>760</b>	<b>98260</b>	<b>295</b>	<b>37170</b>	<b>295</b>	<b>37170</b>	<b>760</b>	<b>98260</b>	<b>295</b>	<b>37170</b>
<b>B. INPUTS</b>																			
1	Planting material @ Rs.14.00 / Hyb seedling, @ Rs.6.50 / GD seedling, @ Rs.5.75 / Hyb seedling	Nos	2500	35000					3086	20059					3086	17745			
2	Cost of manure @ Rs. 800 / MT	MT	5	4000	5	4000	5	4000	5	4000	5	4000	5	4000	5	4000	5	4000	
3	Biofertilizers(Azotobactor +PSB) @ Rs.80	Kg	10	800					10	800					10	800			
4	Fertilizers																		
	N @ Rs.12.37 per Kg	Kg	750	9278	750	9278	750	9278	750	9278	750	9278	750	9278	750	9278	750	9278	
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	Kg	750	35850	750	35850	750	35850	750	35850	750	35850	750	35850	750	35850	750	35850	
	K <sub>2</sub> O @ Rs.27.00 per Kg	Kg	750	20250	750	20250	750	20250	750	20250	750	20250	750	20250	750	20250	750	20250	
5	Micronutrients	Kg		4000		4000		4000		4000		4000		4000		4000		4000	
6	Cost of PP chemicals	LS		4000		4000		6000		4000		4000		6000		4000		6000	
7	Staking materials @Rs.5.00	Nos	2500	12500					3086	15430					3086	15430			
8	Irrigation charges	LS		6000		6000		6000		6000		6000		6000		6000		6000	
9	Mulching material	LS		20000				20000		20000		5000		5000		20000		5000	
10	Fencing	LS		20000		5000		5000		20000		5000		5000		20000		5000	
<b>SUB TOTAL -B</b>			<b>LS</b>	<b>171678</b>	<b>88378</b>	<b>90378</b>	<b>90378</b>	<b>159667</b>	<b>88378</b>	<b>90378</b>	<b>90378</b>	<b>157352</b>	<b>88378</b>	<b>90378</b>	<b>157352</b>	<b>88378</b>	<b>90378</b>		
Miscellaneous / Contingency @10%				26296		12552		12752		25773		12552		12752		25588		12752	
<b>GRAND TOTAL</b>				<b>288800</b>		<b>138100</b>		<b>140300</b>		<b>283700</b>		<b>138100</b>		<b>140300</b>		<b>281200</b>		<b>138100</b>	
<b>Per plant (Rs.)</b>				<b>116</b>		<b>55</b>		<b>56</b>		<b>92</b>		<b>45</b>		<b>45</b>		<b>91</b>		<b>45</b>	
No. of bearing plants (90%)				2250		2250		2250		2777		2777		2777		2777		2777	
Fruit yield (Kg/plant)				25		30		25		20		30		20		30		30	
Fruit yield / ha (Qtl)				562.5		675		562.5		555.4		833.1		555.4		833.1		1110.8	
Gross Income @ Rs 600/ Qtl				337500		405000		337500		333240		499860		333240		499860		666480	
Net profit per hectare(Rs.)				48701		266901		197201		49541		361761		192941		218660		528381	

Sl No	A. LABOUR
1	Tractor ploughing & moving onwards
2	Lay out & demarcation
3	Digging of pits
4	Filling of pits with soil & basal
5	Planting
6	Staking
7	Irrigation
8	Intercultural operations & application of fertiliser
9	Application of PP chemicals
10	Training
11	Harvesting
<b>B. INPUTS</b>	
1	Planting material
2	Cost of manure
3	Fertilizers
	N @
	P <sub>2</sub> O <sub>5</sub>
	K <sub>2</sub> O @
4	Micronutrients
5	Cost of PP chemicals
6	Cost of staking materials
7	Irrigation charges
8	Mulching material
9	Fencing
	Miscellaneous / Contingency
	Per plant
	Yield
	Fruit yield
	Fruit yield / ha
	Gross Income
	Net profit

Year	3rd Year
Cost (Rs.)	Nos
10080	80
3780	30
3150	25
1260	10
18900	150
<b>37170</b>	<b>295</b>
4000	5
9278	750
35850	750
20250	750
4000	4000
4000	6000
6000	6000
5000	5000
<b>9378</b>	<b>90378</b>
2552	12752
<b>8100</b>	<b>140300</b>
45	45
777	2777
40	30
10.8	833.1
6480	499860
3381	359561

### Pomegranate (*Punica granatum*)

		Area -1ha.			Density-400 plants				Spacing--5m X 5m							
Sl No	Components of cost	Unit	1st year		2nd year		3rd year		4th year		5th year		6th year		7-20th year	
			Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)
<b>A. LABOUR</b>																
1	Tractor ploughing@Rs.500/ hr& bullock plough or Power tiller from 2nd year onwards proportionate to the cost	Hrs	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500
2	Lay out & demarcation	MD	4	504												
3	Digging of pits (0.6mx0.6mx0.6m)	MD	32	4032	4	504	2	252								
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	MD	11	1386	1	126	1	126								
5	Planting followed by watering	MD	8	1008	1	126	1	126								
6	Staking	MD	8	1008	1	126					5	630	10	1260	30	3780
7	Irrigation	MD	150	18900	150	18900	150	18900	80	10080	80	10080	80	10080	80	10080
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	MD	24	3024	28	3528	30	3780	30	3780	30	3780	30	3780	30	3780
9	Application of PP chemicals & Hormone	MD	24	3024	20	2520	24	3024	25	3150	25	3150	25	3150	25	3150
10	Training & pruning	MD	23	2898	22	2772	25	3150	25	3150	25	3150	25	3150	25	3150
11	Harvesting, Post harvest handling	MD					8	1008	12	1512	16	2016	24	3024	40	5040
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>284</b>	<b>38284</b>	<b>227</b>	<b>31102</b>	<b>241</b>	<b>32866</b>	<b>172</b>	<b>24172</b>	<b>181</b>	<b>25306</b>	<b>194</b>	<b>26944</b>	<b>230</b>	<b>31480</b>
<b>B. INPUTS</b>																
1	Planting material @ Rs.24 /gootee	Nos	400	9600	20	480	10	240								
2	Cost of manure @ Rs. 800 / MT	MT	8	6400	4	6400	4	6400	4	6400	4	6400	4	6400	4	6400
3	Fertilizers															
	N @ Rs.12.37 per Kg.	Kg	20	247	60	495	120	742	150	989.6	200	2474	220	2721	250	3093
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	Kg	10	478	20	956	40	1434	50	1912	60	2868	80	3824	100	4780
	K <sub>2</sub> O @ Rs.27.00 per Kg	Kg	18	486	36	972	54	1458	72	1944	80	2160	90	2430	100	2700
4	Micronutrients	LS		1000		1500		2000		3000		4000		4000		5000
5	Cost of PP chemicals & hormones	LS		4000		2000		3000		4000		5000		5000		6000
6	Cost of staking material @Rs.5/	Nos	400	2000		1000						2500		4000		5000
7	Irrigation charges	LS		4000		4000		4500		6000		6000		6000		6000
8	Mulching material	LS		20000												
9	Fencing materials	LS		20000		5000		5000		5000		5000				
	<b>SUB TOTAL - B</b>			<b>68211</b>		<b>22803</b>		<b>24774</b>		<b>29246</b>		<b>31402</b>		<b>34375</b>		<b>38973</b>
	Miscellaneous / Contingency @10%			10605		5395		5760		5382		5692		6181		7047
	<b>GRAND TOTAL</b>			<b>117100</b>		<b>59300</b>		<b>63400</b>		<b>58800</b>		<b>62400</b>		<b>67500</b>		<b>77500</b>
	Per plant (Rs.)			293		148		159		147		156		169		194

Yield / Year ----->	3	4	5	6	7 to 20
Plant Yield per plant (Kg)	3	5	10	15	20
Plant Yield per Ha (Kg)	1200	2000	4000	6000	8000
Income @ Rs. 25/Kg	30000	50000	100000	150000	200000



**Sapota (Manilkara achras)**

		Density-125 plants										Spacing-9 m X 9 m									
Area -1ha.		1st year		2nd year		3rd year		4th year		5th year		6th year		7th year		8th year		9th year		10 -40th year	
Sl	Components of cost	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>																					
1	Tractor ploughing@Rs.500/ hr& bullock piough or Power tiller from 2nd year onwards proportionate to the cost	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500
2	Lay out & demarcation	2	252																		
3	Digging of pits (1mx1mx1m)	45	5670	4	504	2	252														
4	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	15	1890	2	252	1	126														
5	Planting followed by watering	2	252	1	126	1	126														
6	Staking	2	252																		
7	Irrigation	68	8568	80	10080	90	11340	45	5670	45	5670	45	5670	45	5670	45	5670	45	5670	45	5670
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	12	1512	14	1764	16	2016	18	2268	20	2520	20	2520	20	2520	20	2520	20	2520	20	2520
9	Application of PP chemicals & Hormone	8	1008	10	1260	10	1260	12	1512	14	1764	16	2016	18	2268	20	2520	20	2520	22	2772
10	Training & pruning	3	378	2	252	2	252	2	252	2	252	2	252	2	252	2	252	2	252	2	252
11	Harvesting, Post harvest handling							6	756	10	1260	18	2268	20	2520	25	3150	30	3780	30	3780
	<b>SUB TOTAL - A</b>	<b>157</b>	<b>22282</b>	<b>113</b>	<b>16738</b>	<b>122</b>	<b>17872</b>	<b>38</b>	<b>12958</b>	<b>91</b>	<b>13966</b>	<b>101</b>	<b>15226</b>	<b>105</b>	<b>15730</b>	<b>112</b>	<b>16612</b>	<b>117</b>	<b>17242</b>	<b>119</b>	<b>17494</b>
<b>B. INPUTS</b>																					
1	Planting material @ Rs.32 /graft	125	4000	13	400	6	200														
2	Cost of manure @ Rs. 800 / MT	6.25	5000	5	4000	5	8000	6.25	8000	6.25	12000	7.5	16000	8.75	20000	10	8000	11.3	9000	12.5	10000
3	Fertilizers																				
	N @ Rs.12.37 per Kg.	6.25	90	12.5	181	18.75	271	25.0	361	31.3	452	37.5	542	43.8	632	50.0	1264	56.3	1896	62.5	2528
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	6	86	12.0	172	18.00	258	24.0	344	30.0	430	36.0	516	42.0	602	48.0	1205	54.0	1807	60.0	2409
	K <sub>2</sub> O @ Rs.27.00 per Kg	6	184	12.0	367	18.00	551	24.0	734	30.0	918	36.0	1102	42.0	1285	48.0	2570	54.0	3856	60.0	5141
4	Micronutrients						500		750		1000		1000		1250		1500		1500		1500
5	Cost of PP chemicals & hormones		2000		1500		2000		2200		2200		2500		2500		2700		3000		3000
6	Cost of staking material @Rs.5/	125	625		300						4000		4000		4000		4000		4000		4000
7	Irrigation charges		2000		2000		3000		3000		4000		4000		4000		4000		4000		4000
8	Mulching material		20000				5000		5000		5000										
9	Fencing materials		20000		5000		5000		5000		5000										
	<b>SUB TOTAL -B</b>		<b>53985</b>		<b>13920</b>		<b>19780</b>		<b>20390</b>		<b>21000</b>		<b>25660</b>		<b>30270</b>		<b>21239.2</b>		<b>25059</b>		<b>28578</b>
	Miscellaneous / Contingency @10%		7633		3042		3748		3352		3434		4014		4600		3749		4299		4628
	<b>GRAND TOTAL</b>		<b>83900</b>		<b>33700</b>		<b>41400</b>		<b>36700</b>		<b>38400</b>		<b>44900</b>		<b>50600</b>		<b>41600</b>		<b>46600</b>		<b>50700</b>
	<b>Per plant (Rs.)</b>		<b>671</b>		<b>270</b>		<b>331</b>		<b>294</b>		<b>307</b>		<b>359</b>		<b>405</b>		<b>333</b>		<b>373</b>		<b>406</b>

Yield / Year ----->	5	6	7	8	9	10	11	12 to 40
Kg per plant	6	16	25	35	50	65	75	85
Kg per Ha.	750	2000	3125	4375	6250	8125	9375	10625
Income @ Rs.15.00 per Kg	11250	30000	46875	65625	93750	121875	140625	159375

Area -1ha.	
Sl	Component
<b>A. LABOUR</b>	
1	Tractor ploughing @
2	Digging of Trenches
3	Lay out & demarca
4	Dressing of trench
5	Filling of trenches v
	basal dose of fertili
6	Descaling, sucker
7	Pitting, planting fol
8	Irrigation
9	Intercultural opera
	earthing up & app
10	Application of wee
11	Application of PP
12	Fencing
13	Harvesting, Post
	<b>SUB</b>
<b>B. INPUTS</b>	
1	Planting material
2	Cost of manure
3	Biofertilizers(Azo
4	Fertilizers
	N @ Rs.12.37
	P <sub>2</sub> O <sub>5</sub> @Rs.47.8
	K <sub>2</sub> O @Rs.27.0
5	Micronutrients
6	Cost of PP che
7	Cost of ripening
8	Cost of shading
	shading plants
9	Irrigation charg
10	Fencing
	<b>S</b>
	Miscellaneous
	<b>Per plant (Rs.)</b>
	Fruit yield / ha
	Gross Income
	Net profit per

Year	10-40th year
Cost (Rs.)	Unit / MD
2500	5
5670	45
2520	20
2520	22
252	2
3780	30
17242	119
9000	12.5
1896	62.5
1807	60.0
3856	60.0
1500	
3000	
4000	
25059	
4299	
6600	
373	
11	
75	
9375	
40625	

Pineapple ( <i>Ananas comosus</i> )									
Area -1ha. Density-50000 plants Spacing-90 cm X 60 cm X 30 cm									
Sl No	Components of cost	Unit	Main crop		Ratoon I		Ratoon II		Total
			Nos	Cost (Rs.)	Nos	Cost (Rs.)	Nos	Cost (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>									
1	Tractor ploughing @ Rs.500/ hr.	Hrs	5	2500					2500
2	Digging of Trenches with tractor	Hrs	5	2500					2500
3	Lay out & demarcation	MD	10	1260					1260
4	Dressing of trenches	MD	50	6300					6300
5	Filling of trenches with compost, soil, basal dose of fertiliser, pesticide etc.)	MD	45	5670					5670
6	Descaling, sucker treatment	MD	45	5670					5670
7	Pitting, planting followed with watering	MD	120	15120					15120
8	Irrigation	MD	120	15120	100	12600	100	12600	40320
9	Intercultural operation(hoeing, weeding, earthing up & application of fertiliser )	MD	100	12600	100	12600	80	10080	35280
10	Application of weedicide	MD	40	5040	25	3150	25	3150	11340
11	Application of PP chemicals & PGR	MD	60	7560	80	10080	80	10080	27720
12	Fencing	MD	75	9450	10	1260	10	1260	11970
13	Harvesting, Post harvest handling	MD	60	7560	100	12600	100	12600	32760
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>725</b>	<b>96350</b>	<b>415</b>	<b>52290</b>	<b>395</b>	<b>49770</b>	<b>198410</b>
<b>B. INPUTS</b>									
1	Planting material @ Rs.3.75 / sucker	Nos	50000	175000					175000
2	Cost of manure @ Rs.800 / MT	MT	25	20000					20000
3	Biofertilizers(Azotobactor +PSB) @ Rs.80 Kg	Kg	10	800					800
4	Fertilizers								0
	N @ Rs.12.37 per Kg.	Kg	600	7422	300	3711	300	3711	14844
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	Kg	200	9560	100	4780	100	4780	19120
	K <sub>2</sub> O @ Rs.27.00 per Kg	Kg	600	16200	300	8100	300	8100	32400
5	Micronutrients	Kg		4000		4000		4000	12000
6	Cost of PP chemicals & Weedicide	LS		7500		5000		6000	18500
7	Cost of ripening PGR								0
8	Cost of shading materials / growing shading plants	LS		8000		2000		2000	12000
9	Irrigation charges	LS		6000		6000		6000	18000
10	Fencing	LS		20000		5000		5000	30000
	<b>SUB TOTAL -B</b>	<b>LS</b>		<b>274482</b>		<b>38591</b>		<b>39591</b>	<b>352664</b>
	Miscellaneous / Contingency @10%			37068		9019		8939	55026
	<b>GRAND TOTAL</b>			<b>407900</b>		<b>99900</b>		<b>98300</b>	<b>606100</b>
	Per plant (Rs.)			8		2		2	12
	Fruit yield / ha (MT)			70		50		40	160
	Gross Income @ Rs.10/Kg			700000		500000		400000	1600000
	Net profit per hectare(Rs.)			292100		400100		301700	993900

Drumstick ( <i>Moringa oleifera</i> )									
Area -1ha. Density: 1600 Spacing: 2.5 m X 2.5 m									
Sl No	Components of cost	1st Year		2nd Year		3rd Year			
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)		
<b>A. LABOUR</b>									
1	Tractor ploughing @ Rs.500/ hr.	5 hr	2500						
2	Lay out & demarcation	6	756						
3	Digging of pits (0.9 m x 0.9 m x 0.9 m)	53	6678	5	630				
4	Filling of pits( carrying compost to pit,	17	2142	2	252				
5	Planting followed with watering & staking	40	5040	1	126				
6	Irrigation (Need based)	75	9450	100	12600	100	12600		
7	Intercultural operation(hoeing,	50	6300	75	9450	75	9450		
8	Application of PP chemicals	24	3024	30	3780	30	3780		
9	Harvesting, Post harvest handling	160	20160	250	31500	250	31500		
	<b>SUB TOTAL - A</b>	<b>425</b>	<b>56050</b>	<b>455</b>	<b>58338</b>	<b>455</b>	<b>57330</b>		
<b>B. INPUTS</b>									
1	Planting material Rs.6.50 / seedling	1600	10400						
2	Cost of manure @ Rs. 800 / MT	20	16000	20	16000	20	16000		
3	Fertilizers								
	N @ Rs.12.87 per Kg.	150	1856	150	1856	150	1856		
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	25	1195	25	1195	25	1195		
	K <sub>2</sub> O @ Rs.27.00 per Kg	50	1350	50	1350	50	1350		
4	Micronutrients & Rs.250/kg/litre	4	1000	5	1250	6	1500		
5	Cost of PP chemicals @Rs.600/spray	5	3000	6	3600	6	3600		
6	Irrigation charges		6000		6000		6000		
7	Staking materials @ Rs.3/stake	1600	4800						
8	Mulching material		20000						
9	Fencing		20000		5000		5000		
	<b>SUB TOTAL -B</b>		<b>85601</b>		<b>36251</b>		<b>36501</b>		
	Miscellaneous / Contingency @10%		14149		9411		9369		
	<b>GRAND TOTAL</b>		<b>155800</b>		<b>104000</b>		<b>103200</b>		
	Yield of drumstick (kg/plant)		10		15		15		
	Yield / ha (Qtl)		160		240		240		
	Income @ Rs.1200/ Qtl		192000		288000		288000		
	Net profit per hectare(Rs.)		36201		184001		184801		



		Ash Gourd ( <i>Benincasa hispida</i> )							Cucumber ( <i>Cucumis sativus</i> )						Bitter Gourd ( <i>Momordica charantia</i> )					
Area -1ha		Ash Gourd					Cucumber						Bitter Gourd							
		Open Pollinated			Hybrid			Open Pollinated			Hybrid			Open Pollinated			Hybrid			
		Density: 1600			Density: 1600			Density: 7000			Density: 9000			Density: 2500			Density: 2500			
		Spacing: 2.5 X 2.5m			Spacing: 2.5 X 2.5m			Spacing: 1.2 X 1.2m			Spacing: 1.8 X 0.6 m			Spacing: 2 X 2 m			Spacing: 2 X 2 m			
Sl	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1	Tractor ploughing	Hrs	4	500	2000	4	500	2000	4	500	2000	4	500	2000	4	500	2000	4	500	2000
2	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
3	Lay out, pit / basin making	MD	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780
4	Pit filling with compost & basal fertilizer	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520
5	Seed treatment, seed sowing, initial watering	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
6	Irrigation (Need based)	MD	10	126	1260	10	126	1260	20	126	2520	20	126	2520	25	126	3150	25	126	3150
7	Intercultural operation (hoeing, weeding)	MD	45	126	5670	45	126	5670	40	126	5040	40	126	5040	50	126	6300	50	126	6300
8	Application of fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
9	Application of PP chemicals & PGR	MD	5	126	630	5	126	630	10	126	1260	10	126	1260	10	126	1260	10	126	1260
10	Staking								15	126	1890	15	126	1890	15	126	1890	15	126	1890
11	Harvesting & Post harvest handling	MD	50	126	6300	50	126	6300	175	126	22050	225	126	28350	185	126	23310	185	126	23310
<b>SUB TOTAL - A</b>		MD	<b>175</b>		<b>22050</b>	<b>175</b>		<b>22050</b>	<b>325</b>		<b>40950</b>	<b>375</b>		<b>47250</b>	<b>350</b>		<b>44100</b>	<b>350</b>		<b>44100</b>
<b>B. INPUTS</b>																				
1	Cost of seeds	Kg	3.5	800	2800	2	3000	6000	2.5	1500	3750	1	15000	15000	5	700	3500	2.2	4000	8800
2	Seed treating chemical @ 3g/kg	g	11	0.8	8	6	0.8	4.8	7.5	0.8	6	3	0.8	2.4	15	0.8	12	6.6	0.8	5.28
3	Manure / Compost	MT	10	800	8000	10	800	8000	10	800	8000	15	800	12000	10	800	8000	15	800	12000
4	Biofertilizers(Azotobactor +PSB)	Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800
5	Fertilizers																			
	Nitrogen	Kg	60	12.4	742	120	12.4	1484	50	12.4	619	120	12.37	1484	60	12.4	742	120	12.37	1484
	Phosphorus	Kg	60	47.8	2868	60	47.8	2868	30	47.8	1434	60	47.8	2868	40	47.8	1912	60	47.8	2868
	Potassium	Kg	75	27	2025	90	27	2430	75	27	2025	90	27	2430	60	27	1620	90	27	2430
6	Micronutrients	Kg	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750
7	PP chemicals & PGR	Nos	3	600	1800	4	600	2400	3	600	1800	4	600	2400	3	600	1800	4	600	2400
8	Staking materials / trellies	LS																		
9	Irrigation charges	Hr	48	75	3600	48	75	3600	50	75	3750	60	75	4500	50	75	3750	60	75	4500
<b>SUB TOTAL - B</b>					<b>23394</b>			<b>28337</b>			<b>30934</b>			<b>52235</b>			<b>30886</b>			<b>46038</b>
Miscellaneous / Contingency @10%					4506			5013			7116			9915			7414			9062
<b>GRAND TOTAL</b>					<b>49950</b>			<b>55400</b>			<b>79000</b>			<b>109400</b>			<b>82400</b>			<b>99200</b>
Fruit yield		Qtl			250			350			200			300			150			250
Gross income (Rs.)		Qtl			400			140000			700			180000			800			200000
Net income (Rs.)					50050			84600			61001			70600			37600			100800

		Amaranthus						
Area -1ha		Components						
Sl	Components	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>								
1	Tractor ploughing	Hrs	4	500	2000	4	500	2000
2	Bullock ploughing	MD	5	126	630	5	126	630
3	Cleaning field and bunds	MD	30	126	3780	30	126	3780
4	Bed preparation	MD	20	126	2520	20	126	2520
5	Application of fertilizer	MD	5	126	630	5	126	630
6	Seed treatment	MD	5	126	630	5	126	630
7	Irrigation (Need based)	MD	10	126	1260	10	126	1260
8	Intercultural operation (hoeing, weeding)	MD	45	126	5670	45	126	5670
9	Application of micronutrient	MD	5	126	630	5	126	630
10	Application of PGR	MD	5	126	630	5	126	630
11	Harvesting & Post harvest handling	MD	50	126	6300	50	126	6300
<b>SUB TOTAL - A</b>		MD	<b>175</b>		<b>22050</b>	<b>175</b>		<b>22050</b>
<b>B. INPUTS</b>								
1	Cost of seeds	Kg	3.5	800	2800	2	3000	6000
2	Seed treating chemical @ 3g/kg	g	11	0.8	8	6	0.8	4.8
3	Manure / Compost	MT	10	800	8000	10	800	8000
4	Biofertilizers	Kg	10	80	800	10	80	800
5	Fertilizers							
	Nitrogen	Kg	60	12.4	742	120	12.4	1484
	Phosphorus	Kg	60	47.8	2868	60	47.8	2868
	Potassium	Kg	75	27	2025	90	27	2430
6	Micronutrients	Kg	3	250	750	3	250	750
7	PP chemicals & PGR	Nos	3	600	1800	4	600	2400
8	Staking materials / trellies	LS						
9	Irrigation charges	Hr	48	75	3600	48	75	3600
<b>SUB TOTAL - B</b>					<b>23394</b>			<b>28337</b>
Miscellaneous / Contingency @10%					4506			5013
<b>GRAND TOTAL</b>					<b>49950</b>			<b>55400</b>
Fruit yield		Qtl			250			350
Gross income (Rs.)		Qtl			400			140000
Net income (Rs.)					50050			84600

Hybrid
Density: 2500
Spacing: 2 X 2 m
Rate (Rs.)
Cost (Rs.)
500 2000
126 630
126 3780
126 2520
126 630
126 3150
126 6300
126 630
126 1260
126 1890
126 23310
44100
4000 8800
0.8 5.28
800 12000
80 800
12.37 1484
47.8 2868
27 2430
250 750
600 2400
10000
75 4500
46038
9062
99200
250
800 200000
100800

Area - 1ha			Amaranthus			Palak			Baby Corn			Sweet Corn			Okra / Bhendi / Lady's Finger						
Components of cost			Spacing: 5 X 3-5 cm			Spacing: 20 X 4-5 cm			Spacing: 60 X 10 cm			Spacing: 60 X 10 cm			Spacing: 45 cm X 20-30 cm						
No	Sl	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
<b>A. LABOUR</b>																					
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500	
2	Bullock plough for sowing	Days							3	250	750	3	250	750	2	250	500	2	250	500	
3	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	10	126	1260	10	126	1260	
4	Bed preparation	MD	10	126	1260	30	126	3780													
5	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
6	Seed treatment, seed sowing	MD	15	126	1890	15	126	1890	5	126	630	5	126	630	10	126	1260	10	126	1260	
7	Irrigation (Need based)	MD	30	126	3780	20	126	2520	10	126	1260	15	126	1890	25	126	3150	25	126	3150	
8	Intercultural operation	MD	30	126	3780	15	126	1890	40	126	5040	40	126	5040	40	126	5040	40	126	5040	
9	Application of fertilizer & micronutrients	MD	5	126	630	5	126	630	10	126	1260	10	126	1260	5	126	630	5	126	630	
10	Application of PP chemicals	MD	5	126	630	5	126	630	5	126	630	5	126	630	15	126	1890	15	126	1890	
11	Harvesting & Post harvest handling	MD	100	126	12600	100	126	12600	145	126	18270	90	126	11340	240	126	30240	265	126	33390	
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>205</b>		<b>25830</b>	<b>200</b>		<b>25200</b>	<b>225</b>		<b>28350</b>	<b>175</b>		<b>22050</b>	<b>350</b>		<b>44100</b>	<b>375</b>		<b>47250</b>	
<b>B. INPUTS</b>																					
1	Cost of seeds	Kg	10	200	2000	20	700	14000	25	400	10000	6	400	2400	15	400	6000	6	1200	7200	
2	Seed treating chemical @ 3g/kg	g	30	0.8	24	60	0.8	48	75	0.8	60	18	0.8	14.4	45	0.8	36	18	0.8	14.4	
3	Manure / Compost	MT	20	800	16000	10	800	8000	10	800	8000	25	800	20000	10	800	8000	15	800	12000	
4	Biofertilizers (Azotobactor+PSB)	Kg	10	80	800	5	80	400	10	80	800	10	80	800	10	80	800	10	80	800	
5	Fertilizers																				
	Nitrogen	Kg	60	12.37	742	60	12.37	742	80	12.37	990	80	12.37	990	100	12.4	1237	150	12.4	1856	
	Phosphorus	Kg	30	47.8	1434	30	47.8	1434	40	47.8	1912	40	47.8	1912	50	47.8	2390	75	47.8	3585	
	Potassium	Kg	30	27	810	30	27	810	40	27	1080	40	27	1080	75	27	2025	75	27	2025	
6	Micronutrients	Kg	5	60	300				3	250	750	3	250	750	3	250	750	3	250	750	
7	PP chemicals	Nos	2	600	1200	2	600	1200	2	600	1200	2	600	1200	4	600	2400	5	600	3000	
8	Irrigation charges	Hr	48	75	3600	40	75	3000	20	75	1500	20	75	1500	50	75	3750	60	75	4500	
	<b>SUB TOTAL - B</b>				<b>26910</b>			<b>29634</b>			<b>26292</b>			<b>30646</b>			<b>27388</b>			<b>35730</b>	
	Miscellaneous / Contingency @10%				5260			5466			5758			5504			7112			8220	
	<b>GRAND TOTAL</b>				<b>58000</b>			<b>60300</b>			<b>60400</b>			<b>58200</b>			<b>78600</b>			<b>91200</b>	

Yield	Qtl	200	200	60	125	150	200
Gross income (Rs.)		800 160000	800 160000	2500 150000	1200 150000	800 120000	800 160000
Net income (Rs.)		102000	99700	89600	91800	41400	68800



		Beet ( <i>Beta vulgaris</i> )						Carrot ( <i>Daucus carota</i> )						Radish ( <i>Raphanus sativus</i> )						
Area -1ha		Beet						Carrot						Radish						
		Open Pollinated			Hybrid			Open Pollinated			Hybrid			Open Pollinated			Hybrid			
		Density: 60000			Density: 60000			Density: 60000			Density: 60000			Density: 60000			Density: 60000			
Components of cost		Spacing:30-40 cm X 5 cm						Spacing:30 cm X 5 cm						Spacing:30 cm X 5 cm						
No	Si	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1		Hrs	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500
2		Days	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750
3		MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
4		MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
5		MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260
6		MD	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890
7		MD	25	126	3150	25	126	3150	20	126	2520	20	126	2520	20	126	2520	20	126	2520
8		MD	50	126	6300	50	126	6300	50	126	6300	50	126	6300	50	126	6300	50	126	6300
9		MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260
10		MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
11		MD	150	126	18900	150	126	18900	105	126	13230	105	126	13230	105	126	13230	115	126	14490
<b>SUB TOTAL - A</b>		MD	275		34650	275		34650	225		28350	225		28350	225		28350	235		29610
<b>B. INPUTS</b>																				
1		Kg	7.5	2000	15000	5	8000	40000	6	800	4800	3	7000	21000	10	400	4000	5	1000	5000
2		g	23	0.8	18	15	0.8	12	18	0.8	14	9	0.8	7.2	30	0.8	24	15	0.8	12
3		MT	10	800	8000	15	800	12000	10	800	8000	15	800	12000	15	800	12000	20	800	16000
4		Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800
5		Kg	60	12.4	742	100	12.4	1237	80	12.4	990	100	12.4	1237	63	12.4	779	100	12.4	1237
		Kg	40	47.8	1912	50	47.8	2390	40	47.8	1912	50	47.8	2390	63	47.8	3011.4	50	47.8	2390
		Kg	50	27	1350	100	27	2700	40	27	1080	100	27	2700	100	27	2700	100	27	2700
6		Kg	2	250	500	3	250	750	2	250	500	3	250	750	2	250	500	3	250	750
7		Nos	2	600	1200	2	600	1200	2	600	1200	3	600	1800	2	600	1200	3	600	1800
8		Hr	80	75	6000	80	75	6000	40	75	3000	40	75	3000	48	75	3600	48	75	3600
<b>SUB TOTAL - B</b>					35522			67089			22296			45684			28615			34289
Miscellaneous / Contingency @10%					7028			10161			5054			7466			5635			6301
<b>GRAND TOTAL</b>					77200			111900			55700			81500			62600			70200
Root yield		Qtl			200			300			250			325			250			300
Gross income (Rs.)		Qtl			600			120000			600			150000			500			125000
Net income (Rs.)					42800			68100			94300			113500			62400			79800

Area -1ha		Components					
No	Si	A. LABOUR					
1		Tractor ploughing					
2		Cleaning field and bunds					
3		Application of compost & basal fertilizer					
4		Nursery bed preparation & seed sowing					
5		Nursery management					
6		Seedling treatment & watering					
7		Irrigation (Need based)					
8		Intercultural operation (weeding, etc)					
9		Application of fertilizer & micronutrients					
10		Application of PP chemicals					
11		Staking					
12		Harvesting & Post harvest handling					
<b>SUB TOTAL</b>							
<b>B. INPUTS</b>							
1		Cost of seeds					
2		Seed treating chemical					
3		Manure / Compost					
4		Biofertilizers(Azotobactor +PSB)					
5		Fertilizers					
		Nitrogen					
		Phosphorus					
		Potassium					
6		Micronutrients					
7		PP chemicals & F					
8		Staking materials					
9		Irrigation charges					
<b>SUB TOTAL</b>							
Miscellaneous / Contingency @10%							
<b>GRAND TOTAL</b>							
Fruit yield							
Gross income (Rs.)							
Net income (Rs.)							

Radish			
Hybrid		Density: 60000	
30 cm X 5 cm			
No	Nos	Rate (Rs.)	Cost (Rs.)
5	500	2500	12500
3	250	750	2250
5	126	630	3150
5	126	630	3150
10	126	1260	12600
15	126	1890	18900
20	126	2520	25200
50	126	6300	63000
10	126	1260	12600
5	126	630	6300
115	126	14490	144900
235		29610	296100
5	1000	5000	50000
15	0.8	12	180
20	800	16000	160000
10	80	800	8000
100	12.4	1237	123700
50	47.8	2390	239000
100	27	2700	270000
3	250	750	2250
3	600	1800	5400
48	75	3600	36000
		34289	342890
		6301	63010
		70290	702900
		300	3000
500	15000		150000
	79800		798000

Area -1ha		Brinjal ( <i>Solanum melongena</i> )						Tomato ( <i>Lycopersicon esculentum</i> )						Green Chilli ( <i>Capsicum annum</i> )					
		Brinjal			Tomato			Green Chilli											
		Open Pollinated		Hybrid	Open Pollinated		Hybrid	Open Pollinated		Hybrid									
		Density: 17000-37000						Density: 30000-75000											
Components of cost		Spacing: 60-75 cm X 45-75 cm						Spacing: 60-75 cm X 45-75 cm						Spacing: 45-75 cm X 30-45 cm					
Sl No	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)			
<b>A. LABOUR</b>																			
1	Hrs	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500			
2	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630			
3	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630			
4	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630			
5	MD	10	126	1260	10	126	1260	15	126	1890	15	126	1890	15	126	1890			
6	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520			
7	MD	40	126	5040	40	126	5040	30	126	3780	30	126	3780	30	126	3780			
8	MD	60	126	7560	60	126	7560	50	126	6300	50	126	6300	50	126	6300			
9	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260			
10	MD	20	126	2520	20	126	2520	15	126	1890	15	126	1890	10	126	1260			
11	MD	15	126	1890	15	126	1890	15	126	1890	15	126	1890	10	126	1260			
12	MD	250	126	31500	300	126	37800	180	126	22680	180	126	22680	225	126	28350			
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>425</b>	<b>53550</b>	<b>475</b>	<b>59850</b>	<b>350</b>	<b>44100</b>	<b>350</b>	<b>44100</b>	<b>375</b>	<b>47250</b>	<b>375</b>	<b>47250</b>	<b>375</b>	<b>47250</b>			
<b>B. INPUTS</b>																			
1	Kg	0.5	1200	600	0.2	7000	1400	0.5	2000	1000	0.2	22000	4400	0.8	1000	750			
2	g	1.5	0.8	1	0.6	0.8	0.48	1.5	0.8	1	0.6	0.8	0.48	2.3	0.8	2			
3	MT	10	800	8000	15	800	12000	10	800	8000	15	800	12000	10	800	8000			
4	Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800			
5	Kg	125	12.37	1546	150	12.37	1856	125	12.37	1546	150	12.37	1856	125	12.37	1546			
	Kg	50	47.8	2390	75	47.8	3585	50	47.8	2390	75	47.8	3585	50	47.8	2390			
	Kg	50	27	1350	75	27	2025	50	27	1350	75	27	2025	50	27	1350			
6	Kg	3	250	750	5	250	1250	3	250	750	5	250	1250	3	250	750			
7	Nos	8	600	4800	12	600	7200	6	600	3600	12	600	7200	4	600	2400			
8										10000			10000						
9	Hr	80	75	6000	100	75	7500	64	75	4800	100	75	7500	60	75	4500			
<b>SUB TOTAL - B</b>				<b>26237</b>			<b>37616</b>			<b>34237</b>			<b>50616</b>			<b>22488</b>			
Miscellaneous / Contingency @10%				7913			9734			7863			9484			6962			
<b>GRAND TOTAL</b>				<b>87700</b>			<b>107200</b>			<b>86200</b>			<b>104200</b>			<b>76700</b>			

	Qtl	300	350	300	375	125	150
Fruit yield	Qtl	600	180000	600	210000	1500	187500
Gross income (Rs.)			92300		102800		117200
Net income (Rs.)							



Capsicum ( <i>Capsicum annum</i> )			Cellery ( <i>Apium graveolens</i> )			Parsley ( <i>Petroselinum hortense</i> )			Lettuce ( <i>Lactuca sativa</i> )									
Area -1ha			Capsicum			Cellery			Parsley			Lettuce						
			Open Pollinated	Hybrid (Green)		Red/Yellow/Violet		Open Pollinated			Open Pollinated							
			Density: 40000-60000						Density: 67000			Density: 67000			Density: 45000			
			Spacing: 45-75 cm X 30-45 cm						Spacing: 45X30 cm			Spacing: 45X30 cm			Spacing: 45X45 cm			
SI	Components of cost		Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
No	<b>A. LABOUR</b>																	
1	Tractor ploughing		Hrs	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500
2	Cleaning field and bunds		MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
3	Application of compost & basal fertilizer		MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
4	Nursery bed preparation, seed treatment & seed sowing		MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
5	Nursely management for 1 month		MD	15	126	1890	15	126	1890	15	126	1890	10	126	1260	10	126	1260
6	Seedling treatment, planting & watering		MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520
7	Irrigation (Need based)		MD	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780
8	Intercultural operation (hoeing, weeding, etc)		MD	50	126	6300	50	126	6300	50	126	6300	40	126	5040	40	126	5040
9	Application of fertilizer & micronutrients		MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260
10	Blanching operation		MD							40	126	5040	40	126	5040			
11	Application of PP chemicals & PGR		MD	10	126	1260	15	126	1890	15	126	1890	10	126	1260	10	126	1260
12	Harvesting & Post harvest handling		MD	125	126	15750	170	126	21420	125	126	15750	150	126	18900	150	126	18900
	<b>SUB TOTAL - A</b>		MD	<b>275</b>		<b>34650</b>	<b>325</b>		<b>40950</b>	<b>280</b>		<b>35280</b>	<b>325</b>		<b>40950</b>	<b>300</b>		<b>37800</b>
	<b>B. INPUTS</b>																	
1	Cost of seeds		Kg	0.3	20000	6000	0.3	35000	8750	0.3	35000	8750	1	20000	20000	0.3	20000	6000
2	Seed treating chemical @ 3g/kg		g	0.9	0.8	1	0.8	0.8	0.6	0.8	0.8	0.6	3	0.8	2	0.9	0.8	1
3	Manure / Compost		MT	10	800	8000	15	800	12000	15	800	12000	15	800	12000	15	800	12000
4	Biofertilizers(Azotobactor+PSB)		Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800
5	Fertilizers																	
	Nitrogen		Kg	125	12.37	1546	150	12.37	1856	150	12.37	1856	200	12.37	2474	65	12.37	804
	Phosphorus		Kg	50	47.8	2390	75	47.8	3585	75	47.8	3585	100	47.8	4780	40	47.8	1912
	Potassium		Kg	50	27	1350	75	27	2025	75	27	2025	150	27	4050	25	27	675
6	Micronutrients		Kg	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750
7	PP chemicals & PGR		Nos	4	600	2400	6	600	3600	8	600	4800	2	600	1200	2	600	1200
8	Irrigation charges		Hr	60	75	4500	60	75	4500	60	75	4500	60	75	4500	60	75	4500
9	Packaging material		Kg	60	75	4500	60	75	4500	60	75	4500	50	100	5000	50	100	5000
	<b>SUB TOTAL - B</b>					<b>32237</b>			<b>42366</b>			<b>43566</b>			<b>55556</b>			<b>33642</b>
	Miscellaneous / Contingency @10%					6213			7884			7854			9694			7408
	<b>GRAND TOTAL</b>					<b>73100</b>			<b>91200</b>			<b>86700</b>			<b>106200</b>			<b>82000</b>
	Yield		Qtl			175			250			150			300			300
	Gross income (Rs.)		Qtl			800			200000			1500			240000			240000
	Net income (Rs.)					66900			108800			138300			133800			158000
																		120
	Yield																	1500
	Gross income																	180000
	Net income																	97000

Broccoli		
Area		
SI	Component	
No	<b>A. LABOUR</b>	
1	Tractor ploughing	
2	Cleaning field and bunds	
3	Application of compost & basal fertilizer	
4	Nursery bed preparation, seed treatment & seed sowing	
5	Nursely management for 1 month	
6	Seedling treatment, planting & watering	
7	Irrigation (Need based)	
8	Intercultural operation (hoeing, weeding, etc)	
9	Application of fertilizer & micronutrients	
10	Application of P	
11	Harvesting & P	
	<b>SUB</b>	
	<b>B. INPUTS</b>	
1	Cost of seeds	
2	Seed treating chemical @ 3g/kg	
3	Manure / Compost	
4	Biofertilizers(Azotobactor+PSB)	
5	Fertilizers	
	Nitrogen	
	Phosphorus	
	Potassium	
6	Micronutrients	
7	PP chemicals & PGR	
8	Irrigation charges	
	<b>SU</b>	
	Miscellaneous	
	Yield	
	Gross income	
	Net income	

Lettuce		
Open Pollinated		
Density: 45000		
Spacing: 45X45 cm		
No	Rate (Rs.)	Cost (Rs.)
1	500	2500
2	126	630
3	126	630
4	126	630
5	126	1260
6	126	2520
7	126	3780
8	126	5040
9	126	1260
10	126	1890
11	126	20160
		<b>37800</b>
12	8000	4000
13	0.8	1
14	800	12000
15	80	800
16	12.37	619
17	47.8	4302
18	27	675
19	250	750
20	600	3600
21	75	4500
22	100	6400
		<b>37647</b>
		7553
		<b>83000</b>

Broccoli ( <i>Brassica oleracea</i> var. <i>italica</i> ) Chinese Cabbage ( <i>Brassica oleracea</i> ) Brucells Sprout ( <i>Brassica spp.</i> ) Onion ( <i>Allium cepa</i> )																		
Area -1ha			Broccoli			Chinese Cabbage			Brucells Sprout			Onion						
			Open Pollinated			Open Pollinated			Open Pollinated			Open Pollinated		Hybrid				
			Density: 74000			Density: 74000			Density: 37000			Density: 600000						
			Spacing:45X30 cm			Spacing:45-60X30-60cm			Spacing:60X 45 cm			Spacing: 15 cm X 10 cm						
Sl No	Components of cost		Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																		
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500	
2	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
3	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
4	Nursery bed preparation, seed treatment & seed sowing	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
5	Nursey management for 1 month	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	
6	Seedling treatment, planting & watering	MD	20	126	2520	20	126	2520	20	126	2520	40	126	5040	40	126	5040	
7	Irrigation (Need based)	MD	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780	
8	Intercultural operation (hoeing, weeding, etc)	MD	50	126	6300	50	126	6300	50	126	6300	70	126	8820	70	126	8820	
9	Application of fertilizer & micronutrients	MD	10	126	1260	10	126	1260	10	126	1260	5	126	630	5	126	630	
10	Application of PP chemicals & PGR	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	
11	Harvesting & Post harvest handling	MD	30	126	3780	30	126	3780	80	126	10080	145	126	18270	145	126	18270	
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>175</b>		<b>22050</b>	<b>175</b>		<b>22050</b>	<b>225</b>		<b>28350</b>	<b>325</b>		<b>40950</b>	<b>325</b>		<b>40950</b>	
<b>B. INPUTS</b>																		
1	Cost of seeds	Kg	0.25	30000	7500	0.5	30000	15000	0.25	30000	7500	10	700	7000	5	7000	35000	
2	Seed treating chemical @ 3g/kg	g	0.75	0.8	1	1.5	0.8	1	0.75	0.8	1	30	0.8	24	15	0.8	12	
3	Manure / Compost	MT	10	800	8000	10	800	8000	10	800	8000	10	800	8000	15	800	12000	
4	Biofertilizers(Azotobactor+PSB)	Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800	
5	Fertilizers																	
	Nitrogen	Kg	125	12.37	1546	125	12.37	1546	125	12.37	1546	125	12.37	1546	125	12.37	1546	
	Phosphorus	Kg	50	47.8	2390	50	47.8	2390	50	47.8	2390	60	47.8	2868	60	47.8	2868	
	Potassium	Kg	50	27	1350	50	27	1350	50	27	1350	100	27	2700	100	27	2700	
6	Micronutrients	Kg	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750	
7	PP chemicals & PGR	Nos	5	600	3000	5	600	3000	5	600	3000	5	600	3000	5	600	3000	
8	Irrigation charges	Hr	60	75	4500	60	75	4500	60	75	4500	60	75	4500	60	75	4500	
	<b>SUB TOTAL - B</b>				<b>29837</b>			<b>37337</b>			<b>29837</b>			<b>31188</b>			<b>63176</b>	
	Miscellaneous / Contingency @10%				5113			5913			5813			7262			10474	
	<b>GRAND TOTAL</b>				<b>57000</b>			<b>65300</b>			<b>64000</b>			<b>79400</b>			<b>114600</b>	
	Yield	Qtl			150			150			150			200			225	
	Gross income (Rs.)	Qtl		1000	150000		1000	150000		1000	150000		800	160000		900	202500	
	Net income (Rs.)				93000			84700			86000			80600			87900	



		Cauliflower (Brassica oleracia var. botrytis)						Cabbage (Brassica oleracia var. capitata)						Knol Khol (Brassica oleracia var. gongylodes)						
Area -1ha		Cauliflower						Cabbage						Knol khol						
		Open Pollinated			Hybrid			Open Pollinated			Hybrid			Open Pollinated			Hybrid			
		Density: 40000-80000						Density: 40000-80000						Density: 40000-80000						
		Spacing: 45-60 cm X 30-45 cm						Spacing: 45-60 X 30-45 cm						Spacing: 45-60 cm X 30-45 cm						
Sl	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500	5	500	2500
2	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
3	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
4	Nursery bed preparation, seed treatment & seed sowing	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
5	Nursery management for 1 month	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260
6	Seedling treatment, planting & watering	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520
7	Irrigation (Need based)	MD	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780
8	Intercultural operation (hoeing, weeding, etc)	MD	50	126	6300	50	126	6300	50	126	6300	50	126	6300	50	126	6300	50	126	6300
9	Application of fertilizer & micronutrients	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260
10	Application of PP chemicals & PGR	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260
11	Harvesting & Post harvest handling	MD	30	126	3780	40	126	5040	30	126	3780	40	126	5040	30	126	3780	40	126	5040
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>175</b>		<b>22050</b>	<b>185</b>		<b>23310</b>	<b>175</b>		<b>22050</b>	<b>185</b>		<b>23310</b>	<b>175</b>		<b>22050</b>	<b>185</b>		<b>23310</b>
<b>B. INPUTS</b>																				
1	Cost of seeds	Kg	0.5	2000	1000	0.3	20000	5000	0.5	2000	1000	0.3	20000	5000	1.3	1000	1250	0.3	20000	5000
2	Seed treating chemical @ 3g/kg	g	1.5	0.8	1	0.8	0.8	0.6	1.5	0.8	1	0.8	0.8	0.6	3.8	0.8	3	0.8	0.8	0.6
3	Manure / Compost	MT	10	800	8000	15	800	12000	10	800	8000	15	800	12000	10	800	8000	15	800	12000
4	Biofertilizers(Azotobactor+PSB)	Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800
5	Fertilizers																			
	Nitrogen	Kg	125	12.37	1546	150	12.37	1856	125	12.37	1546	150	12.37	1856	125	12.37	1546	150	12.37	1856
	Phosphorus	Kg	50	47.8	2390	75	47.8	3585	50	47.8	2390	75	47.8	3585	50	47.8	2390	75	47.8	3585
	Potassium	Kg	50	27	1350	75	27	2025	50	27	1350	75	27	2025	50	27	1350	75	27	2025
6	Micronutrients	Kg	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750
7	PP chemicals & PGR	Nos	5	600	3000	5	600	3000	5	600	3000	5	600	3000	4	600	2400	4	600	2400
8	Irrigation charges	Hr	60	75	4500	60	75	4500	60	75	4500	60	75	4500	40	75	3000	40	75	3000
<b>SUB TOTAL - B</b>					<b>23337</b>			<b>33516</b>			<b>23337</b>			<b>33516</b>			<b>21489</b>			<b>31416</b>
Miscellaneous / Contingency @10%					4513			5674			4513			5674			4361			5474
<b>GRAND TOTAL</b>					<b>49900</b>			<b>62500</b>			<b>49900</b>			<b>62500</b>			<b>47900</b>			<b>60200</b>
Yield		Qtl	200		300		300		400		150		200							
Gross income (Rs.)		Qtl	600 120000		600 180000		500 150000		500 200000		700 105000		700 140000							
Net income (Rs.)			70100		117500		100100		137500		57100		79800							

		Potato						
Area -1								
Sl	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>								
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500
2	Bullock making	MD	5	126	630	5	126	630
3	Cleaning field and bunds	MD	5	126	630	5	126	630
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630
5	Nursery bed preparation, seed treatment & seed sowing	MD	5	126	630	5	126	630
6	Nursery management for 1 month	MD	10	126	1260	10	126	1260
7	Seedling treatment, planting & watering	MD	20	126	2520	20	126	2520
8	Irrigation (Need based)	MD	30	126	3780	30	126	3780
9	Intercultural operation (hoeing, weeding, etc)	MD	50	126	6300	50	126	6300
10	Application of fertilizer & micronutrients	MD	10	126	1260	10	126	1260
11	Application of PP chemicals & PGR	MD	10	126	1260	10	126	1260
12	Harvesting & Post harvest handling	MD	30	126	3780	40	126	5040
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>175</b>		<b>22050</b>	<b>185</b>		<b>23310</b>
<b>B. INPUTS</b>								
1	Cost of seeds	Kg	0.5	2000	1000	0.3	20000	5000
2	Seed treating chemical @ 3g/kg	g	1.5	0.8	1	0.8	0.8	0.6
3	Manure / Compost	MT	10	800	8000	15	800	12000
4	Biofertilizers(Azotobactor+PSB)	Kg	10	80	800	10	80	800
5	Fertilizers							
	Nitrogen	Kg	125	12.37	1546	150	12.37	1856
	Phosphorus	Kg	50	47.8	2390	75	47.8	3585
	Potassium	Kg	50	27	1350	75	27	2025
6	Micronutrients	Kg	3	250	750	3	250	750
7	PP chemicals & PGR	Nos	5	600	3000	5	600	3000
8	Irrigation charges	Hr	60	75	4500	60	75	4500
<b>SUB TOTAL - B</b>					<b>23337</b>			<b>33516</b>
Miscellaneous / Contingency @10%					4513			5674
<b>GRAND TOTAL</b>					<b>49900</b>			<b>62500</b>
Yield		Qtl	200		300		300	
Gross income (Rs.)		Qtl	600 120000		600 180000		500 150000	
Net income (Rs.)			70100		117500		100100	

Hybrid
0-80000
30-45 cm
Rate (Rs.)
Cost (Rs.)
500 2500
126 630
126 630
126 630
126 1260
126 2520
126 3780
126 6300
126 1260
126 1260
126 5040
23310
20000 5000
0.8 0.6
800 12000
80 800
12.37 1856
47.8 3585
27 2025
250 750
600 2400
75 3000
31416
5474
60200

		Potato ( <i>Solanum tuberosum</i> )			Colocasia ( <i>Colocasia esculenta</i> )			Garlic ( <i>Allium sativum</i> )			Sweet Potato ( <i>Ipomoea batatas</i> )			Small Gourd ( )			
Area - 1ha		Potato			Colocasia			Garlic			Sweet Potato			Small Gourd			
		Density: 90000			Density: 200000			Density: 600000			Density: 80000			Density: 4000			
Components of cost		Spacing: 45X22.5cm			Spacing: 45X10 cm			Spacing: 15X7.5-10cm			Spacing: 60X20 cm			Spacing: 2.5 m X1 m			
No	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
<b>A. LABOUR</b>																	
1	Tractor ploughing / Pit / Trench making	Hrs	5	500	2500	5	500	2500	5	500	2500	10	500	5000	5	500	2500
2	Bullock plough for sowing	Days	2	250	500	2	250	500									
3	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	30	126	3780
5	Seed material treatment	MD	15	126	1890	10	126	1260	10	126	1260	10	126	1260	20	126	2520
6	Planting	MD	25	126	3150	30	126	3780	50	126	6300	30	126	3780	5	126	630
7	Irrigation (Need based)	MD	20	126	2520	15	126	1890	30	126	3780	10	126	1260	30	126	3780
8	Intercultural operation (hoeing, weeding, earthing up, etc)	MD	60	126	7560	50	126	6300	60	126	7560	45	126	5670	40	126	5040
9	Application of fertilizer & micronutrients	MD	5	126	630	10	126	1260	10	126	1260	5	126	630	5	126	630
10	Application of PP chemicals	MD	15	126	1890	5	126	630	10	126	1260	10	126	1260	10	126	1260
11	Staking	MD													15	126	1890
12	Harvesting & Post harvest handling	MD	100	126	12600	100	126	12600	120	126	15120	130	126	16380	180	126	22680
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>250</b>		<b>31500</b>	<b>230</b>		<b>28980</b>	<b>300</b>		<b>37800</b>	<b>250</b>		<b>31500</b>	<b>340</b>		<b>42840</b>
<b>B. INPUTS</b>																	
1	Cost of seed materials	Qtl	15	2000	30000	15	1200	18000	500	80	40000	80000	0.5	40000	30000	2	6000
2	Seed treating chemical @ 30g/Qtl	g	450	0.8	360	450	0.8	360	1500	0.8	1200	1600	1	1600	600	1	600
3	Manure / Compost	MT	10	800	8000	6	800	4800	15	800	12000	6	800	4800	10	800	8000
4	Biofertilizers (Azotobactor+PSB)	Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800
5	Fertilizers																
	Nitrogen	Kg	120	12.37	1484	80	12.37	990	100	12.37	1237	75	12.37	928	100	12.37	1237
	Phosphorus	Kg	60	47.8	2868	60	47.8	2868	50	47.8	2390	50	47.8	2390	50	47.8	2390
	Potassium	Kg	120	27	3240	80	27	2160	50	27	1350	75	27	2025	50	27	1350
6	Micronutrients	Kg	3	250	750	3	250	750	3	250	750	3	250	750	2	250	500
7	PP chemicals	Nos	3	600	1800	2	600	1200	3	600	1800	3	600	1800	4	600	2400
8	Organic mulching materials	LS				1	10000	10000									
9	Staking materials / trellies	LS															10000
10	Irrigation charges	Hr	35	75	2625	20	75	1500	80	75	6000	15	75	1125	50	75	3750
<b>SUB TOTAL - B</b>					<b>51927</b>			<b>43428</b>			<b>67527</b>			<b>56218</b>			<b>37027</b>
Miscellaneous / Contingency @ 10%					8373			7292			10673			8782			7933
<b>GRAND TOTAL</b>					<b>91800</b>			<b>79700</b>			<b>116000</b>			<b>96500</b>			<b>87800</b>

Yield	Qtl	250	200	125	200	300
Gross income (Rs.)	Qtl	600 150000	800 160000	2000 250000	700 140000	600 180000
Net income (Rs.)		58200	80300	134000	43500	92200



**Cluster Bean (*Cyamopsis tetragonaloba*) Country bean / Sem (*Lablab purpureus*) Snake Gourd (). & Tinda / Round Melon (*Citrullus vulgaris* var *fistulosus*)**

Area -1ha.		Cluster Bean			Country bean						Snake Gourd			Squash or Zucchini			Tinda/Round melon				
		Open Pollinated			Dwarf type			Pole type			Open Pollinated			Open Pollinated			Open Pollinated				
		Density: 600000			Density: 600000			Density: 600000			Density: 4400-7000			Density: 10000			Density: 6000				
Sl	Components of cost		Unit	Spacing: 45-60X15cm			Spacing: 60X30cm			Spacing: 2.5X1.5 m			Spacing: 1.2-1.5X1.2-1.5m			Spacing: 1.5X0.6m			Spacing: 1.5 X 1.5		
No	A. LABOUR			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
1	Tractor ploughing		Hrs	5	500	2500	5	500	2500	4	500	2000	4	500	2000	4	500	2000	4	500	2000
2	Bullock plough for sowing		Days	2	250	500	3	250	750												
3	Cleaning field and bunds		MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
4	Lay out, bed / pit making		MD				5	126	630	30	126	3780	30	126	3780	30	126	3780	30	126	3780
5	Application of compost & basal fertilizer		MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
6	Pit filling		MD							15	126	1890	15	126	1890	15	126	1890	15	126	1890
7	Seed treatment, seed sowing, sowing		MD	15	126	1890	5	126	630	10	126	1260	5	126	630	5	126	630	5	126	630
8	Irrigation (Need based)		MD	15	126	1890	15	126	1890	15	126	1890	15	126	1890	30	126	3780	25	126	3150
9	Intercultural operation (hoeing, weeding)		MD	30	126	3780	40	126	5040	60	126	7560	40	126	5040	40	126	5040	30	126	3780
10	Application of fertilizer		MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
11	Application of PP chemicals & PGR		MD	5	126	630	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260
12	Staking		MD							15	126	1890	15	126	1890						
13	Harvesting & Post harvest handling		MD	90	126	11340	85	126	10710	110	126	13860	80	126	10080	125	126	15750	70	126	8820
<b>SUB TOTAL - A</b>			<b>MD</b>	<b>170</b>		<b>21420</b>	<b>175</b>		<b>22050</b>	<b>280</b>		<b>35280</b>	<b>225</b>		<b>28350</b>	<b>270</b>		<b>34020</b>	<b>200</b>		<b>25200</b>
<b>B. INPUTS</b>																					
1	Cost of seeds		Kg	15	300	4500	25	500	12500	10	150	1500	3.5	700	2450	2.5	22000	55000	3.5	700	2450
2	Seed treating chemical@3g/kg		g	45	0.8	36	75	0.8	60	30	0.8	24	11	0.8	8	7.5	0.8	6	11	0.8	8
3	Manure / Compost		MT	6	800	4800	10	800	8000	10	800	8000	10	800	8000	10	800	8000	10	800	8000
4	Biofertilizers(Rhizobium +PSB)		Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800
5	Fertilizers																				
	Nitrogen		Kg	40	12.37	495	30	12.4	371	30	12.4	371	60	12.37	742	100	12.37	1237	100	12.37	1237
	Phosphorus		Kg	50	47.8	2390	30	47.8	1434	30	47.8	1434	60	47.8	2868	75	47.8	3585	60	47.8	2868
	Potassium		Kg	50	27	1350	30	27	810	30	27	810	60	27	1620	75	27	2025	60	27	1620
6	Micronutrients		Kg	1.5	250	375	3	250	750	3	250	750	1.5	250	375	1.5	250	375	3	250	750
7	PP chemicals & PGR		Nos	3	600	1800	3	600	1800	4	600	2400	3	600	1800	3	600	1800	3	600	1800
8	Staking materials / trellies		LS									10000			10000						
9	Irrigation charges		Hr	40	75	3000	30	75	2250	30	75	2250	30	75	2250	50	75	3750	60	75	4500
<b>SUB TOTAL - B</b>						<b>19546</b>			<b>28775</b>			<b>28339</b>			<b>30914</b>			<b>21578</b>			<b>21583</b>
Miscellaneous / Contingency @10%						4034			4225			6381			5936			11002			4967
<b>GRAND TOTAL</b>						<b>45000</b>			<b>55050</b>			<b>70000</b>			<b>65200</b>			<b>66600</b>			<b>51750</b>
Yield			Qtl			75			80			120			150			150			150
Gross income (Rs)			Qtl			1200			96000			1000			120000			1500			225000
Net income Rs						45000			40950			50000			54800			158400			68250

Cowpea	
Sl	Co
No	A. LABOUR
1	Tractor ploughing
2	Bullock plough for sowing
3	Cleaning field and bunds
4	Lay out, bed / pit making
5	Application of compost & basal fertilizer
6	Pit filling
7	Seed treatment, seed sowing, sowing
8	Irrigation (Need based)
9	Intercultural operation (hoeing, weeding)
10	Application of fertilizer
11	Application of PP chemicals & PGR
12	Staking
13	Harvesting & Post harvest handling

B. INPUTS	
1	Cost of seeds
2	Seed treating chemical@3g/kg
3	Manure / Compost
4	Biofertilizers(Rhizobium +PSB)
5	Fertilizers
	Nitrogen
	Phosphorus
	Potassium
6	Micronutrients
7	PP chemicals & PGR
8	Staking materials / trellies
9	Irrigation charges

Miscellaneous / Contingency @10%
Fruit
Gross
Net

s var fistulosus)		
Tinda/Round melon		
Open Pollinated		
Density: 6000		
Spacing: 1.5 X 1 m		
Nos	Rate (Rs.)	Cost (Rs.)
4	500	2000
5	126	630
30	126	3780
5	126	630
15	126	1890
5	126	630
25	126	3150
30	126	3780
5	126	630
10	126	1260
70	126	8820
200		25200
3.5	700	2450
11	0.8	8
10	800	8000
10	80	800
100	12.37	1237
60	47.8	2868
60	27	1620
3	250	750
3	600	1800
60	75	4500
		2158
		4967
		5175
		150
800		12000
		6825

Cowpea ( <i>Vigna unguiculata</i> ), Yard Long Bean or Bodi ( <i>Vigna unguiculata</i> sub sp. <i>sesquipedalis</i> ), Bean ( <i>Phaseolus vulgaris</i> ), Garden Pea ( <i>Pisum sativum</i> var. <i>hortense</i> )																				
Area -1ha			Cowpea (Bush type)			Cowpea (Pole type)			Bodi /Yard Long Bean			French Bean			Runner Bean			Garden pea		
Components of cost			Spacing: 45-60X30cm			Spacing: 1X0.6 m			Spacing: 75X60-75cm			Spacing: 30 X 5cm			Spacing: 90X7.5 cm			Spacing: 25-45X5-10cm		
Sl	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
<b>A. LABOUR</b>																				
1	Hrs	5	500	2500	4	500	2000	4	500	2000	5	500	2500	4	500	2000	5	500	2500	
2	Days	2	250	500							3	250	750				2	250	500	
3	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
4	MD				30	126	3780	30	126	3780				30	126	3780				
5	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
6	MD				15	126	1890	15	126	1890				15	126	1890				
7	MD	10	126	1260	10	126	1260	10	126	1260	5	126	630	10	126	1260	5	126	630	
8	MD	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890	
9	MD	50	126	6300	60	126	7560	60	126	7560	40	126	5040	60	126	7560	40	126	5040	
10	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
11	MD	5	126	630	10	126	1260	10	126	1260	10	126	1260	10	126	1260	5	126	630	
12	MD				15	126	1890	15	126	1890				15	126	1890	10	126	1260	
13	MD	125	126	15750	130	126	16380	130	126	16380	140	126	17640	130	126	16380	160	126	20160	
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>220</b>	<b>27720</b>	<b>300</b>	<b>37800</b>	<b>300</b>	<b>37800</b>	<b>300</b>	<b>37800</b>	<b>225</b>	<b>28350</b>	<b>300</b>	<b>37800</b>	<b>250</b>	<b>31500</b>				
<b>B. INPUTS</b>																				
1	Kg	20	250	5000	10	500	5000	10	500	5000	60	250	15000	25	250	6250	60	200	12000	
2	g	60	0.8	48	30	0.8	24	30	0.8	24	180	0.8	144	75	0.8	60	180	0.8	144	
3	MT	10	800	8000	10	800	8000	10	800	8000	10	800	8000	10	800	8000	12	800	9600	
4	Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800	
5	Kg	50	12.37	619	50	12.4	619	50	12.4	619	50	12.37	619	50	12.4	619	50	12.4	619	
	Kg	75	47.8	3585	75	47.8	3585	75	47.8	3585	75	47.8	3585	75	47.8	3585	75	47.8	3585	
	Kg	50	27	1350	50	27	1350	50	27	1350	50	27	1350	50	27	1350	50	27	1350	
6	Kg	1.5	250	375	2	250	500	2	250	500	1.5	250	375	3	250	750	1.5	250	375	
7	Nos	3	600	1800	4	600	2400	4	600	2400	3	600	1800	3	600	1800	3	600	1800	
8	LS						10000			10000						10000			10000	
9	Hr	30	75	2250	30	75	2250	30	75	2250	30	75	2250	30	75	2250	30	75	2250	
<b>SUB TOTAL - B</b>				<b>23827</b>			<b>34528</b>			<b>34528</b>			<b>33923</b>			<b>35464</b>			<b>42523</b>	
Miscellaneous / Contingency @10%				5153			7272			7272			6227			7336			7477	
<b>GRAND TOTAL</b>				<b>56700</b>			<b>79600</b>			<b>79600</b>			<b>68500</b>			<b>80600</b>			<b>81500</b>	
Fruit yield (qtl.) per ha.		Qtl		100			120			150			100			120			120	
Gross income (Rs.)		Qtl		100000			144000			180000			100000			120000			144000	
Net income Rs.				43301			64401			100401			31501			39401			62501	



Pointed Gourd ( <i>Trichosanthes dioica</i> )			Spine Gourd ( )			Elephant Foot Yam ( <i>Amorphophallus paeoniifolius</i> ) & Yam ( <i>Dioscorea spp.</i> )												
Area -1ha			Pointed Gourd			Spine Gourd						Elephant Foot Yam			Yam			
			Density: 6000			Desi			Sweet			Density: 5000			Density: 5000			
			Spacing:1.5 mX1 m			Spacing:2 mX1 m			Spacing:2 mX1 m			Spacing:50 X50 cm			Spacing:75 X75cm			
Sl No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	No s	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
<b>A. LABOUR</b>																		
1	Tractor ploughing	Hrs	4	500	2000	4	500	2000	4	500	2000	5	500	2500	5	500	2500	
2	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
3	Layout.digging pits/trenches	MD	30	126	3780	30	126	3780	30	126	3780	145	126	18270	145	126	18270	
4	Pit filling with compost & basal fertilizer	MD	20	126	2520	20	126	2520	20	126	2520	35	126	4410	35	126	4410	
5	Root treatment,planting & 1st watering	MD	10	126	1260	10	126	1260	10	126	1260	20	126	2520	20	126	2520	
6	Irrigation (Need based)	MD	45	126	5670	10	126	1260	10	126	1260	30	126	3780	30	126	3780	
7	Intercultural operation (hoeing,weeding)	MD	60	126	7560	40	126	5040	40	126	5040	40	126	5040	40	126	5040	
8	Application of fertilizer, micronutrients	MD	10	126	1260	10	126	1260	10	126	1260	20	126	2520	20	126	2520	
9	Application of PP chemicals & PGR	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	
10	Mulching (setting & lifting )	MD	5	126	630	5	126	630	5	126	630				20	126	2520	
11	Staking	MD	15	126	1890	15	126	1890	15	126	1890							
12	Harvesting & Post harvest handling	MD	165	126	20790	140	126	17640	140	126	17640	195	126	24570	195	126	24570	
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>375</b>		<b>47250</b>	<b>295</b>		<b>37170</b>	<b>295</b>		<b>37170</b>	<b>500</b>		<b>63000</b>	<b>520</b>		<b>65520</b>	
<b>B. INPUTS</b>																		
1	Cost of root	Qtl	5	4000	20000	5	8000	40000	7	4000	28000	20	2000	40000	20	2500	50000	
2	Root treating chemical	Kg	150	0.8	120	150	0.8	120	210	0.8	168	2	800	1600	600	0.8	480	
3	Manure / Compost	MT	10	800	8000	10	800	8000	10	800	8000	20	800	16000	20	800	16000	
4	Biofertilizers(Azotobactor+PSB)	Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800	
5	Fertilizers																	
	Nitrogen	Kg	150	12.37	1856	75	12.37	928	75	12.37	928	80	12.37	990	80	12.37	990	
	Phosphorus	Kg	60	47.8	2868	40	47.8	1912	40	47.8	1912	60	47.8	2868	60	47.8	2868	
	Potassium	Kg	80	27	2160	60	27	1620	60	27	1620	80	27	2160	80	27	2160	
6	Micronutrients	Kg	5	250	1250	2	250	500	2	250	500	5	250	1250	5	250	1250	
7	PP chemicals and PGR	Nos	6	600	3600	4	600	2400	4	600	2400	5	600	3000	3	600	1800	
8	Organic mulching materials	LS	1	10000	10000	1	10000	10000	1	10000	10000	1	10000	10000	1	10000	10000	
9	Staking materials / trellies	LS			10000			10000			10000			10000			10000	
10	Irrigation charges	Hr	128	75	9600	10	75	750	25	75	1875	30	75	2250	30	75	2250	
<b>SUB TOTAL - B</b>					<b>70254</b>			<b>77030</b>			<b>66203</b>			<b>80918</b>			<b>98598</b>	
Miscellaneous / Contingency @ 10%					11796			11400			10327			15382			15282	
<b>GRAND TOTAL</b>					<b>129300</b>			<b>125600</b>			<b>113700</b>			<b>159300</b>			<b>179400</b>	
Corm yield		Qtl			125			125			175			200			200	
Gross income (Rs.)		Qtl			1200	150000		2500	312500		1200	210000		1500	300000		1500	300000
Net income Rs.					20701			186900			96300			140700			120600	

ioscorea spp.)		
Yam		
Density: 5000		
Spacing: 75 X 75cm		
S	Rate (Rs.)	Cost (Rs.)
5	500	2500
5	126	630
5	126	18270
5	126	4410
5	126	2520
5	126	3780
5	126	5040
5	126	2520
5	126	1260
5	126	2520
5	126	24570
5	65520	65520
2500	50000	50000
0.8	480	480
800	16000	16000
80	800	800
12.37	990	990
47.8	2868	2868
27	2160	2160
250	1250	1250
600	1800	1800
10000	10000	10000
75	2250	2250
98598		98598
15282		15282
179400		179400
200		200
1500	300000	300000
120600		120600

		Ridge Gourd (Luffa acutangula)						Sponge Gourd (Luffa cylindrica)						Bottle Gourd (Lagenaria siceraria)						
Area - 1ha		Ridge Gourd						Sponge Gourd						Bottle Gourd						
		Open Pollinated			Hybrid			Open Pollinated			Hybrid			Open Pollinated			Hybrid			
		Density: 4000			Density: 9000			Density: 7000			Density: 9000			Density: 2500			Density: 2500			
Components of cost		Spacing: 2.5X 1 m			Spacing: 1.8X 0.6m			Spacing: 2 X 1 m			Spacing: 1.8X 0.6 m			Spacing: 2 X 2 m			Spacing: 2 X 2 m			
Sl	No	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
	1	Hrs	4	500	2000	4	500	2000	4	500	2000	4	500	2000	4	500	2000	4	500	2000
	2	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
	3	MD	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780
	4	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520
	5	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
	6	MD	30	126	3780	30	126	3780	30	126	3780	30	126	3780	20	126	2520	20	126	2520
	7	MD	40	126	5040	40	126	5040	40	126	5040	40	126	5040	40	126	5040	40	126	5040
	8	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
	9	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260
	10	MD	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890
	11	MD	140	126	17640	190	126	23940	140	126	17640	190	126	23940	90	126	11340	115	126	14490
	<b>SUB TOTAL - A</b>		<b>MD</b>	<b>300</b>	<b>37800</b>	<b>350</b>	<b>44100</b>	<b>300</b>	<b>37800</b>	<b>350</b>	<b>44100</b>	<b>225</b>	<b>28350</b>	<b>250</b>	<b>31500</b>					
<b>B. INPUTS</b>																				
	1	Kg	5	700	3500	1.5	3000	4500	4	700	2800	1.5	3000	4500	3.5	500	1750	2.5	400	1000
	2	g	15	0.8	12	4.5	0.8	3.6	12	0.8	10	4.5	0.8	3.6	11	0.8	8	7.5	7.5	10000
	3	MT	10	800	8000	15	800	12000	10	800	8000	15	800	12000	10	800	8000	15	800	12000
	4	Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800
	5																			
		Kg	60	12.4	742	120	12.4	1484	60	12.4	742	120	12.37	1484	60	12.4	742	120	12.4	1484
		Kg	60	47.8	2868	60	47.8	2868	40	47.8	1912	60	47.8	2868	40	47.8	1912	60	47.8	2868
		Kg	60	27	1620	90	27	2430	30	27	810	90	27	2430	60	27	1620	90	27	2430
	6	Kg	1.5	250	375	3	250	750	1.5	250	375	3	250	750	3	250	750	3	250	750
	7	Nos	3	600	1800	4	600	2400	3	600	1800	4	600	2400	3	600	1800	4	600	2400
	8	LS			10000			10000			10000			10000			10000			10000
	9	Hr	50	75	3750	60	75	4500	50	75	3750	60	75	4500	40	75	3000	40	75	3000
	<b>SUB TOTAL - B</b>				<b>33467</b>			<b>41736</b>			<b>30999</b>			<b>41736</b>			<b>17383</b>			<b>3000</b>
	Miscellaneous / Contingency @10%				7133			8564			7133			8564			4867			32738
	<b>GRAND TOTAL</b>				<b>78400</b>			<b>94400</b>			<b>75932</b>			<b>94400</b>			<b>50600</b>			<b>71000</b>
	Fruit yield	Qtl			150			200			150			200			250			350
	Gross income (Rs.)	Qtl		800	120000		700	140000		800	120000		800	160000		500	125000			175000
	Net income (Rs.)				41600			45600			44068			65600			74400			104000



Watermelon ( <i>Citrullus lanatus</i> )			Muskmelon ( <i>Cucumis melo</i> )						Pumpkin ( <i>Cucurbita moschata</i> )												
Area -1ha			Watermelon						Muskmelon						Pumpkin						
			Open Pollinated			Hybrid			Open Pollinated			Hybrid			Open Pollinated			Hybrid			
			Density: 7000			Density: 20000			Density: 7000			Density: 20000			Density: 5000			Density: 4500			
SI	Components of cost		Spacing: 1.2X1.2 m			Spacing: 1.5X0.3 m			Spacing: 1.2X1.2 m			Spacing: 1.5X0.3 m			Spacing: 2 X 1 m			Spacing: 2.4 X 0.9 m			
No		Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
<b>A. LABOUR</b>																					
1	Tractor ploughing	Hrs	4	500	2000	4	500	2000	4	500	2000	4	500	2000	4	500	2000	4	500	2000	
2	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
3	Lay out, pit / basin making	MD	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780	
4	Pit filling with compost & basal fertilizer	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520	
5	Seed treatment, seed sowing, initial watering	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
6	Irrigation (Need based)	MD	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780	
7	Intercultural operation (hoeing, weeding)	MD	40	126	5040	40	126	5040	40	126	5040	40	126	5040	40	126	5040	40	126	5040	
8	Application of fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
9	Application of PP chemicals & PGR	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	
10	Harvesting & Post harvest handling	MD	40	126	5040	55	126	6930	40	126	5040	55	126	6930	40	126	5040	40	126	5040	
<b>SUB TOTAL - A</b>		MD	<b>185</b>		<b>23310</b>	<b>200</b>		<b>25200</b>	<b>185</b>		<b>23310</b>	<b>200</b>		<b>25200</b>	<b>185</b>		<b>23310</b>	<b>185</b>		<b>23310</b>	
<b>B. INPUTS</b>																					
1	Cost of seeds	Kg	3	1000	3000	1	7000	7000	2	1000	2000	0.8	8000	6400	5	800	4000	2.5	3000	7500	
2	Seed treating chemical @ 3g/kg	g	9	0.8	7	3	0.8	2.4	6	0.8	5	2.4	0.8	1.92	15	0.8	12	7.5	0.8	6	
3	Manure / Compost	MT	10	800	8000	15	800	12000	10	800	8000	15	800	12000	10	800	8000	15	800	12000	
4	Biofertilizers(Azotobactor +PSB)	Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800	
5	Fertilizers																				
	Nitrogen	Kg	60	12.4	742	120	12.4	1484	60	12.4	742	120	12.37	1484	100	12.4	1237	120	12.37	1484	
	Phosphorus	Kg	40	47.8	1912	60	47.8	2868	40	47.8	1912	60	47.8	2868	75	47.8	3585	60	47.8	2868	
	Potassium	Kg	60	27	1620	90	27	2430	60	27	1620	90	27	2430	75	27	2025	90	27	2430	
6	Micronutrients	Kg	3	250	750	5	250	1250	3	250	750	5	250	1250	2	250	500	3	250	750	
7	PP chemicals & PGR	Nos	4	600	2400	5	600	3000	3	600	1800	3	600	1800	5	600	3000	5	600	3000	
8	Irrigation charges	Hr	50	75	3750	50	75	3750	80	75	6000	80	75	6000	64	75	4800	64	75	4800	
<b>SUB TOTAL - B</b>					<b>22981</b>			<b>34585</b>			<b>23629</b>			<b>35034</b>			<b>27959</b>			<b>35638</b>	
Miscellaneous / Contingency @10%					4609			5915			4661			6066			5131			5852	
<b>GRAND TOTAL</b>					<b>50900</b>			<b>65700</b>			<b>51600</b>			<b>66300</b>			<b>56400</b>			<b>64800</b>	
Fruit yield		Qtl		250		400				200		300				250			300		
Gross income (Rs.)		Qtl		500	125000	500	200000			600	120000	600	180000			600	150000			600	180000
Net income (Rs.)					74100			134300			68400			113700			93600				115200

Area -1ha.		Densi
SI	Components	
<b>A. LABOUR</b>		
1	Tractor ploughing	
2	Cleaning field and bunds	
3	Bed preparation, of compost & basal fertilizer	
4	Planting & initial watering	
5	Irrigation (Need based)	
6	Intercultural operation (hoeing, weeding)	
7	Application of fertilizer	
8	Application of PP chemicals & PGR & weedicide	
9	Harvesting & Post harvest handling	
<b>SUB TOTAL</b>		
<b>B. INPUTS</b>		
1	Cost of Planting	
2	Manure / Compost	
3	Biofertilizers	
4	Fertilizers	
	Nitrogen	
	Phosphorus	
	Potassium	
5	Micronutrients	
6	PP chemicals & PGR	
7	Irrigation charges	
<b>SUB TOTAL</b>		
Miscellaneous / Contingency @10%		
<b>G</b>		
Flower yield		
Gross income (Rs.)		
Net income (Rs.)		

Hybrid		
Rate (Rs.)	Cost (Rs.)	
500	2000	
126	630	
126	3780	
126	2520	
126	630	
126	3780	
126	5040	
126	630	
126	1260	
126	5040	
	<b>23310</b>	
3000	7500	
0.8	6	
800	12000	
80	800	
12.37	1484	
47.8	2868	
27	2430	
250	750	
600	3000	
75	4800	
	<b>35638</b>	
	5852	
	<b>64800</b>	
300		
600	180000	
	115200	

Marigold ( <i>Tagetes erecta / patula</i> )								
Area -1ha. Density: 75000 Spacing: 40 cm X 30 cm Labour @Rs.126/MD								
Sl	Components of cost	Unit	From seedling			From cuttings		
			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>								
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500
2	Cleaning field and bunds	MD	15	126	1890	15	126	1890
3	Bed preparation, application of compost & basal fertilizer	MD	60	126	7560	60	126	7560
4	Planting & initial watering	MD	60	126	7560	60	126	7560
5	Irrigation (Need based)	MD	30	126	3780	30	126	3780
6	Intercultural operation (hoeing, weeding, staking)	MD	50	126	6300	50	126	6300
7	Application of fertilizer & micronutrients	MD	10	126	1260	10	126	1260
8	Application of PP chemicals & weedicide	MD	40	126	5040	40	126	5040
9	Harvesting & Post harvest handling	MD	120	126	15120	120	126	15120
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>385</b>		<b>48510</b>	<b>385</b>		<b>48510</b>
<b>B. INPUTS</b>								
1	Cost of Planting materials	Nos	75000	0.50	37500	75000	0.60	45000
2	Manure / Compost	MT	25	800	20000	25	800	20000
3	Biofertilizers	Kg	10	80	800	10	80	800
4	Fertilizers							
	Nitrogen	Kg	80	12.4	990	80	12.37	990
	Phosphorus	Kg	80	47.8	3824	80	47.8	3824
	Potassium	Kg	80	27	2160	80	27	2160
5	Micronutrients	Kg/Litre	3	250	750	3	250	750
6	PP chemicals & PGR	Nos	4	600	2400	4	600	2400
7	Irrigation charges	Hr	30	75	2250	30	75	2250
<b>SUB TOTAL - B</b>					<b>70674</b>		<b>78174</b>	
Miscellaneous / Contingency @10%					11916		12616	
<b>GRAND TOTAL</b>					<b>131100</b>		<b>139300</b>	

Flower yield	Qtl	150	150
Gross income (Rs.)		1500 225000	1500 225000
Net income (Rs.)		93900	85700

Lawn					
Area: 20000 sq m					
Sl	Components of cost	Unit	From seedling		
			Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>					
1	Site cleaning, digging of soil up to 12" , lifting out side for drying	Sq ft	20000	1.5	30000
2	Pulverization of soil, breaking clods, seiving	cft	20000	1	20000
3	Drying compost, breaking clods, seiving	cft	3000	1	3000
4	Refilling of site with seived soil, compost, sand and anti termite mixture	Sq ft	20000	1.5	30000
5	Levelling, mounding, and watering for settlement of mixture	Sq ft	20000	1	20000
7	Removal of weeds before planting	MD	50	126	6300
8	Application of weedicide PP chemicals, fertilizers, planting of grass with initial watering	Sq ft	20000	2	40000
9	Maintenance of lawn for 4 months (Weeding, watering, hoeing, mowing, etc)	Sq ft	20000	2	40000
<b>SUB TOTAL - A</b>					<b>159300</b>
<b>B. INPUTS</b>					
1	Cost of turf including transportation	Sq ft	2000	20	40000
2	Manure / Compost	cft	3000	12	36000
3	Sand	cft	1000	8	8000
4	Fertilizers	LS			1000
5	Hire charges of implements	LS			5000
6	Micronutrients	LS			500
7	PP chemicals	LS			5000
8	Irrigation charges	Hr			5000
<b>SUB TOTAL - B</b>					<b>100500</b>
Miscellaneous / Contingency @10%					25900
<b>GRAND TOTAL</b>					<b>285700</b>

Additional charge if soil quality is poor and need replacemnet.  
Additional turf, soil, compost, sand and labour for mound areas.



**Crossandra (Crossandra undulaefolia)**

Area -1ha. Density: 37000 Spacing: 60 cm X 45 cm Labour @Rs.126/MD

Sl No	Components of cost	Unit	1st Year			2nd Year			3rd Year		
			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>											
1	Tractor ploughing	Hrs	5	500	2500						
2	Cleaning field and demarcation	MD	10	126	1260						
3	Bed preparation, application of compost & basal fertilizer	MD	40	126	5040						
4	Planting & initial watering	MD	30	126	3780						
5	Irrigation (Need based)	MD	50	126	6300	50	126	6300	50	126	6300
6	Intercultural operation (hoeing, weeding, etc)	MD	60	126	7560	40	126	5040	40	126	5040
7	Application of fertilizer & micronutrients	MD	5	126	630	5	126	630	5	126	630
8	Application of PP chemicals & PGR	MD	20	126	2520	20	126	2520	20	126	2520
9	Harvesting & Post harvest handling	MD	50	126	6300	120	126	15120	100	126	12600
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>265</b>		<b>33390</b>	<b>235</b>		<b>29610</b>	<b>215</b>		<b>27090</b>
<b>B. INPUTS</b>											
1	Cost of Planting materials	Nos	37000	1.00	37000						
2	Manure / Compost	MT	20	800	16000	10	800	8000	10		8000
3	Biofertilizers(Azotobactor +PSB)	Kg	10	80	800	10	80	800	10	80	800
4	Fertilizers										
	Nitrogen	Kg	80	12.37	990	80	12.37	989.6	80	12.37	989.6
	Phosphorus	Kg	80	47.8	3824	80	47.8	3824	80	47.8	3824
	Potassium	Kg	80	27	2160	80	27	2160	80	27	2160
5	Micronutrients	Kg	3	250	750	3	250	750	3	250	750
6	PP chemicals & PGR	Nos	8	600	4800	8	600	4800	8	600	4800
7	Irrigation charges	Hr	80	75	6000	80	75	6000	80	75	6000
	<b>SUB TOTAL - B</b>				<b>72324</b>			<b>27324</b>			<b>27324</b>
	Miscellaneous / Contingency @10%				10586			5666			5486
	<b>GRAND TOTAL</b>				<b>116300</b>			<b>62600</b>			<b>59900</b>
	Flower yield	Qtl			20			50			40
	Gross income (Rs.)	Qtl		5000	100000		5000	250000		5000	200000
	Net income (Rs.)				-16300			187400			140100

3rd Year

Rate (Rs.)	Cost (Rs.)
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126	6300
126	5040
126	630
126	2520
126	12600
<b>27090</b>	

8000	
80	800
2.37	989.6
47.8	3824
27	2160
250	750
600	4800
75	6000
<b>27324</b>	
5486	
<b>59900</b>	

40	
200000	
140100	

Jasmine ( <i>Jasminum sambac</i> )														
Area -1ha.			Density: 10000			Spacing: 1 m X 1 m			Labour @Rs.126/MD					
Sl No	Components of cost	Unit	1st Year			2nd Year			3rd Year			4th-10th Year		
			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>														
1	Tractor ploughing	Hrs	5	500	2500									
2	Cleaning field, layout and demarcation	MD	15	126	1890									
3	Bed preparation, application of compost & basal fertilizer	MD	80	126	10080									
4	Planting & initial watering	MD	40	126	5040									
5	Irrigation (Need based)	MD	80	126	10080	80	126	10080	80	126	10080	80	126	10080
6	Intercultural operation (hoeing, weeding, etc)	MD	50	126	6300	50	126	6300	50	126	6300	50	126	6300
7	Application of fertilizer & micronutrients	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260
8	Application of PP chemicals & PGR	MD	30	126	3780	30	126	3780	30	126	3780	30	126	3780
9	Pruning	MD	20	126	2520	40	126	5040	40	126	5040	40	126	5040
10	Harvesting & Post harvest handling	MD	100	126	12600	200	126	25200	250	126	31500	200	126	25200
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>425</b>		<b>53550</b>	<b>410</b>		<b>51660</b>	<b>460</b>		<b>57960</b>	<b>410</b>		<b>51660</b>
<b>B. INPUTS</b>														
1	Cost of Planting materials	Nos	10000	4.00	40000	500	4.00	2000						
2	Manure / Compost	MT	20	800	16000	10	800	8000	10	800	8000	10		8000
3	Fertilizers													
	Nitrogen	Kg	80	12.37	990	80	12.37	989.6	80	12.4	989.6	80	12.37	989.6
	Phosphorus	Kg	80	47.8	3824	80	47.8	3824	80	47.8	3824	80	47.8	3824
	Potassium	Kg	80	27	2160	80	27	2160	80	27	2160	80	27	2160
5	Micronutrients	Kg/Litre	3	250	750	3	250	750	3	250	750	3	250	750
6	PP chemicals & PGR	Nos	8	600	4800	8	600	4800	8	600	4800	8	600	4800
7	Irrigation charges	Hr	80	75	6000	80	75	6000	80	75	6000	80	75	6000
<b>SUB TOTAL - B</b>					<b>74524</b>			<b>28524</b>			<b>26524</b>			<b>26524</b>
Miscellaneous / Contingency @10%					6886			5666			5486			5486
<b>GRAND TOTAL</b>						<b>134960</b>		<b>85850</b>		<b>89970</b>			<b>83670</b>	
Flower yield		Qtl			20			50			50			40
Gross income (Rs.)		Qtl		5000	100000		5000	250000		5000	250000		5000	200000
Net income (Rs.)					-34960			164150			160030			116330



Rose ( <i>Rosa</i> spp.)- Normal Density													
Area - 1ha.		Density-9000 plants				Spacing--1.0 m X 1.0 m				Labour @Rs.126/MD		Cost in Rupees	
SI	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th-8th year	
No	A. LABOUR	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
1	Tractor ploughing @Rs.500/ hr.	5	2500										
2	Field cleaning, lay out & demarcation	10	1260										
3	Digging of pits (0.6m X 0.6m X 0.6m)	707	89082	70	8820	16	2016						
4	Filling of pits( carrying compost to pit, mixing with soil & basal dose of fertilizer, pesticides etc )	235	29610	22	2772	5	630						
5	Planting followed by watering	50	6300	10	1260	3	378						
6	Irrigation (Need based)	130	16380	130	16380	150	18900	150	18900	150	18900	150	18900
7	Intercultural operation(Hoeing, weeding, application of fertiliser & manure)	100	12600	120	15120	120	15120	150	18900	150	18900	150	18900
8	Application of PP chemicals	30	3780	25	3150	30	3780	30	3780	30	3780	30	3780
9	Pruning & training	40	5040	50	6300	50	6300	50	6300	50	6300	50	6300
10	Harvesting, grading, packaging & post harvest operation	120	15120	360	45360	600	75600	600	75600	600	75600	600	75600
<b>SUB TOTAL - A</b>			<b>181672</b>	<b>99162</b>	<b>122724</b>	<b>123480</b>	<b>123480</b>	<b>123480</b>	<b>123480</b>	<b>123480</b>	<b>123480</b>	<b>123480</b>	<b>123480</b>
<b>B. INPUTS</b>													
1	Panting material @ Rs.16.00 / budded plant	9000	144000	900	14400	450	7200						
2	Cost of manure @ Rs. 800 / MT	45	36000	45	36000	45	36000	45	36000	45	36000	45	36000
3	Fertilisers												
	N @ Rs.12.37 per Kg.	180	2227	180	2227	180	2227	180	2227	180	2227	180	2227
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	90	4302	90	4302	90	4302	90	4302	90	4302	90	4302
	K <sub>2</sub> O @ Rs.27.00 per Kg	90	2430	90	2430	90	2430	90	2430	90	2430	90	2430
4	Micronutrients		4000		4000		4000		5000		5000		4000
5	Oil cake @ 2000/ qtl	9	18000	9	18000	9	18000	9	18000	9	18000	9	18000
6	Cost of PP chemicals		6000		6000		7000		9000		9000		9000
7	Irrigation charges		6000		8000		8000		8000		8000		8000
8	Mulching materials		20000		20000		5000		5000		5000		5000
9	Fencing materials		20000		5000		5000		5000		5000		5000
<b>SUB TOTAL -B</b>			<b>262959</b>	<b>100359</b>	<b>94159</b>	<b>89959</b>	<b>89959</b>	<b>89959</b>	<b>89959</b>	<b>89959</b>	<b>89959</b>	<b>88959</b>	<b>88959</b>
Miscellaneous / Contingency @ 10%			44469	21779	21717	21361	21361	21361	21361	21361	21361	21261	21261
<b>GRAND TOTAL</b>			<b>489100</b>	<b>221300</b>	<b>238600</b>	<b>234800</b>	<b>234800</b>	<b>234800</b>	<b>234800</b>	<b>234800</b>	<b>234800</b>	<b>233700</b>	<b>233700</b>
<b>Per plant (Rs.)</b>			<b>54.34</b>	<b>24.59</b>	<b>26.51</b>	<b>26.09</b>	<b>26.09</b>	<b>26.09</b>	<b>26.09</b>	<b>26.09</b>	<b>26.09</b>	<b>25.97</b>	<b>25.97</b>
Flower yield (nos. / plant)			15	25	30	35	40	30					
Flower yield (nos. /ha)			135000	225000	270000	315000	360000	270000					
Income @ Rs. 2.00/ flower			270000	450000	540000	630000	720000	540000					
Net income (Rs.)			-219100	228700	301400	395200	485200	306300					

Area -1ha.	
SI	
<b>A. LABOUR</b>	
1	Tractor ploughing
2	Field cleaning,
3	Digging of pits
4	Filling of pits(
	soil & basal do
5	Planting follow
6	Irrigation (Nee
7	Intercultural o
	of fertiliser & m
8	Application of
9	Pruning & tra
10	Harvesting, g
	operation
<b>B. INPUTS</b>	
1	Panting mate
2	Cost of manu
3	Fertilisers
	N @ Rs.12.37
	P <sub>2</sub> O <sub>5</sub> @Rs.47.8
	K <sub>2</sub> O @ Rs.27.0
4	Micronutrien
5	Oil cake @ 2
6	Cost of PP c
7	Irrigation ch
8	Mulching ma
9	Fencing ma
	Miscellaneous
<b>Per plant (Rs.)</b>	
	Flower yield
	Flower yield
	Income @
	Net income

**Rose (Rosa spp.)- Medium Density**

		Area -1ha.	Density-20000 plants	Spacing--0.75 cm X 0.60 cm	Labour @Rs.126/MD	Cost in Rupees							
Sl No	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th-8th year	
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>													
1	Tractor ploughing @Rs.500/ hr.	5	2500										
2	Field cleaning, lay out & demarcation	10	1260										
3	Digging of pits (0.45m X 0.45m X 0.45m)	663	83538	66	8316	33	4158						
4	Filling of pits( carrying compost to pit, mixing with soil & basal dose of fertilizer, pesticides etc.)	221	27846	22	2772	11	1386						
5	Planting followed by watering	100	12600	10	1260	3	378						
6	Irrigation (Need based)	130	16380	130	16380	150	18900	150	18900	150	18900	150	18900
7	Intercultural operation(Hoeing, weeding, application of fertiliser & manure)	100	12600	120	15120	120	15120	150	18900	150	18900	150	18900
8	Application of PP chemicals	30	3780	25	3150	30	3780	30	3780	30	3780	30	3780
9	Pruning & training	40	5040	50	6300	50	6300	50	6300	50	6300	50	6300
10	Harvesting, grading, packing & post harvest operation	120	15120	360	45360	600	75600	600	75600	600	75600	600	75600
	<b>SUB TOTAL - A</b>		<b>180664</b>		<b>98658</b>		<b>125622</b>		<b>123480</b>		<b>123480</b>		<b>123480</b>
<b>B. INPUTS</b>													
1	Panting material @ Rs.16.00 / budded plant	20000	320000	2000	32000	1000	16000						
2	Cost of manure @ Rs. 800 / MT	45	36000	45	36000	45	36000	45	36000	45	36000	45	36000
3	Fertilisers												
	N @ Rs.12.37 per Kg.	180	2227	180	2227	180	2227	180	2227	180	2227	180	2227
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	90	4302	90	4302	90	4302	90	4302	90	4302	90	4302
	K <sub>2</sub> O @ Rs.27.00 per Kg	90	2430	90	2430	90	2430	90	2430	90	2430	90	2430
4	Micronutrients		4000		4000		4000		5000		5000		4000
5	Oil cake @ 2000/ qtl	9	18000	9	18000	9	18000	9	18000	9	18000	9	18000
6	Cost of PP chemicals		6000		6000		7000		9000		9000		9000
7	Irrigation charges		6000		8000		8000		8000		8000		8000
8	Mulching materials		20000										
9	Fencing materials		20000		5000		5000		5000		5000		5000
	<b>SUB TOTAL -B</b>		<b>438959</b>		<b>117959</b>		<b>102959</b>		<b>89959</b>		<b>89959</b>		<b>88959</b>
	Miscellaneous / Contingency @ 10%		61977		21683		22839		21361		21361		21261
	<b>GRAND TOTAL</b>		<b>681600</b>		<b>238300</b>		<b>251420</b>		<b>234800</b>		<b>234800</b>		<b>233700</b>
	<b>Per plant (Rs.)</b>		<b>34.08</b>		<b>11.91</b>		<b>12.57</b>		<b>11.74</b>		<b>11.74</b>		<b>11.68</b>
	Flower yield (nos. / plant)		10		15		20		22		25		20
	Flower yield (nos. /ha)		200000		300000		400000		440000		500000		400000
	Income @ Rs. 2.00/ flower		400000		600000		800000		880000		1000000		800000
	Net income (Rs.)		-281600		361700		548580		645200		765200		566300



Tuberose (*Polyanthes tuberosa*)Gladiolus (*Gladiolus spp.*)

Area -1ha.		Tuberose									Gladiolus						
		Density: 37000			Spacing: 60 cm X 45 cm						Density: 200000			Spacing: 25 cm X 15 cm			
Sl	Components of cost	Unit	1st Year			2nd Year			3rd Year			1st Year			2nd & 3rd Year		
No	A. LABOUR		Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
1	Tractor ploughing	Hrs	5	500	2500							5	500	2500	5	500	2500
2	Cleaning field and demarcation	MD	15	126	1890							15	126	1890	15	126	1890
3	Bed preparation, application of compost & basal fertilizer	MD	100	126	12600							100	126	12600	100	126	12600
4	Bulb treatment, planting & initial watering	MD	60	126	7560							80	126	10080	80	126	10080
5	Irrigation (Need based)	MD	80	126	10080	80	126	10080	80	126	10080	40	126	5040	40	126	5040
6	Intercultural operation (hoeing, weeding, etc)	MD	60	126	7560	60	126	7560	60	126	7560	60	126	7560	60	126	7560
7	Application of fertilizer, micronutrients &	MD	20	126	2520	20	126	2520	20	126	2520	15	126	1890	15	126	1890
8	Application of PP chemicals & PGR	MD	35	126	4410	40	126	5040	40	126	5040	15	126	1890	15	126	1890
9	Harvesting & Post harvest handling	MD	80	126	10080	100	126	12600	140	126	17640	55	126	6930	55	126	6930
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>450</b>		<b>56700</b>	<b>300</b>		<b>37800</b>	<b>340</b>		<b>42840</b>	<b>380</b>		<b>47880</b>	<b>380</b>		<b>47880</b>
<b>B. INPUTS</b>																	
1	Cost of Planting materials	Qtl	20	1500	30000							200000	2.50	500000	200000	1.50	300000
2	Root treating chemical	g	600	0.8	480							2	800	1600	2	800	1600
3	Manure / Compost	MT	25	800	20000	20	800	16000	20		16000	25	800	20000	25	800	20000
4	Biofertilizers(Azotobactor +PSB)	Kg	10	80	800	10	80	800	10	80	800	10	80	800	10	80	800
5	Fertilizers																
	Nitrogen	Kg	80	12.37	990	80	12.37	989.6	80	12.37	989.6	80	12.37	990	80	12.37	990
	Phosphorus	Kg	80	47.8	3824	80	47.8	3824	80	47.8	3824	80	47.8	3824	80	47.8	3824
	Potassium	Kg	80	27	2160	80	27	2160	80	27	2160	80	27	2160	80	27	2160
6	Micronutrients	Kg	3	250	750	3	250	750	3	250	750	3	250	750	3	250	750
7	PP chemicals & PGR	Nos	8	600	4800	8	600	4800	8	600	4800	8	600	4800	8	600	4800
8	Organic mulching materials / Staking materials	LS	1	10000	10000									5000			5000
	Staking materials	LS										80	75	6000	80	75	6000
9	Irrigation charges	Hr	80	75	6000	80	75	6000	80	75	6000	80	75	6000	80	75	6000
<b>SUB TOTAL - B</b>					<b>79804</b>			<b>35324</b>			<b>35324</b>			<b>545924</b>			<b>345924</b>
Miscellaneous / Contingency @10%					13696			7376			7836			59396			39396
<b>GRAND TOTAL</b>					<b>150200</b>			<b>80500</b>			<b>86000</b>			<b>653200</b>			<b>433200</b>

Sl	Components
<b>A. LABOUR</b>	
1	Land preparation, spread
2	Planting material prepara
	initial watering
3	Construction & repair of t
4	Vine tying with inkad & k
5	Irrigation (@1.5 hrs per
6	Application of fertilizer &
7	Application of PP chemi
8	Plucking, grading & Pos
<b>SUB TOT</b>	
<b>B. INPUTS</b>	
1	Cost of Planting materi
2	Rooting hormone
3	Mustard oil cake @1.8
4	Cost of fertilizers NPK
5	Tank mud
6	Irrigation charges
7	PP chemicals
8	Bamboo for chanchan
9	Bamboo for guda
10	Split bamboo for vinch
11	G.I. Wire
12	Solid bamboo for adia
13	Split bamboo for poth
14	Chhai
15	Inkad
16	Tying materials
17	Side walls / thatas
<b>SUB T</b>	
Miscellaneous / Cont	
<b>GRAN</b>	

Leaf yield  
Gross income @ 30  
Net income (Rs.)

Flower yield	Qtl	3000		7500		5000						200000		200000	
Spike yield	Nos														
Bulb yield	Qtl											100			
Corm yield	Nos													400000	
Cormel yield	Nos													1000000	
Income from flowers(Rs.)	Rs.	40	120000		40	300000		40	200000						
Income from spikes (Rs.)	Rs.											2	400000	2	400000
Income from Bulbs(Rs.)	Rs.											1500	150000		
Income from sale of corms	Rs.													1.5	600000
Income from sale of cormels	Rs.													0.25	250000
Gross Income(Rs.)	Rs.		120000			300000			350000						1250000
Net income (Rs.)	Rs.		-30200			219500			264000						596800

g 25 cm X 15 cm		
rd Year		
Nos	Rate (Rs.)	Cost (Rs.)
5	500	2500
5	126	1890
0	126	12600
0	126	10080
0	126	5040
0	126	7560
5	126	1890
5	126	1890
5	126	6930
0		<b>47880</b>
00	1.50	300000
	800	1600
	800	20000
	80	800
12.37	990	
47.8	3824	
27	2160	
250	750	
600	4800	
	5000	
75	6000	
	<b>345924</b>	
	39396	
	<b>433200</b>	
	200000	
	400000	
	1000000	
2	400000	
1.5	600000	
0.25	250000	
	1250000	
	816800	

Betel vine ( <i>Piper betel</i> )																				
		Project area- 10 cents						Project area- 20 cents						Project area- 25 cents						
		Baroj area- 5 cents						Baroj area- 10 cents						Baroj area- 15 cents						
		Size- 20 gachha X 5 ahuda						Size- 40 gachha X 5 ahuda						Size- 50 gachha X 6 ahuda						
		Size- 15 m X 13.05 m or 50' X 43.5'						Size- 30 m X 13.05 m or 100' X 43.5'						Size- 37.5 m X 15.6 m or 125' X 52'						
		Plant Population: 4000						Plant Population: 8000						Plant Population: 12000						
Sl	Components of cost	Unit	1st Year			2nd-15th Year			1st Year			2nd-15th Year			1st Year			2nd-15th Year		
No			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1	Land preparation, spreading of tank mud	MD	15	126	1890	10	126	1260	30	126	3780	20	126	2520	40	126	5040	30	126	3780
2	Planting material preparation, planting & initial watering	MD	6	126	756				10	126	1260				15	126	1890			
3	Construction & repair of baroj	MD	25	126	3150	5	126	630	45	126	5670	6	126	756	70	126	8820	10	126	1260
4	Vine tying with inkad & lowering of vines		20	126	2520	25	126	3150	40	126	5040	45	126	5670	60	126	7560	70	126	8820
5	Irrigation (@1.5 hrs per 3 days)	MD	25	126	3150	25	126	3150	40	126	5040	40	126	5040	60	126	7560	60	126	7560
6	Application of fertilizer & oilcake	MD	3	126	378	4	126	504	6	126	756	6	126	756	10	126	1260	10	126	1260
7	Application of PP chemicals	MD	6	126	756	6	126	756	9	126	1134	8	126	1008	10	126	1260	10	126	1260
8	Plucking, grading & Post harvest handling	MD	15	126	1890	25	126	3150	25	126	3150	30	126	3780	35	126	4410	40	126	5040
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>115</b>		<b>14490</b>	<b>100</b>		<b>12600</b>	<b>205</b>		<b>25830</b>	<b>155</b>		<b>19530</b>	<b>300</b>		<b>37800</b>	<b>230</b>		<b>28980</b>
<b>B. INPUTS</b>																				
1	Cost of Planting materials (+Mortality)	Nos	4000	1.25	5000				8000	1.25	10000				12000	1.25	15000			
2	Rooting hormone	g	4	20	80				8	20	160				12	20	240			
3	Mustard oil cake @1.8 kg/gachha/month	Qtl	1.8	2000	3600	1.8	2000	3600	3.6	2000	7200	3.6	2000	7200	5.4	2000	10800	5.4	2000	10800
4	Cost of fertilizers NPK	Kg	50	20	1000	50	20	1000	100	20	2000	100	20	2000	150	20	3000	150	20	3000
5	Tank mud	Cft	150	8	1200	150	8	1200	300	8	2400	300	8	2400	600	8	4800	600	8	4800
6	Irrigation charges	Hr	120	30	3600	120	30	3600	220	30	6600	220	30	6600	300	30	9000	300	30	9000
7	PP chemicals	Nos	12	100	1200	12	100	1200	18	100	1800	18	100	1800	16	100	1600	18	100	1800
8	Bamboo for chanchana	Nos	60	50	3000	6	50	300	120	50	6000	12	50	600	175	50	8750	18	50	900
9	Bamboo for guda	Nos	280	30	8400	28	30	840	560	30	16800	56	30	1680	800	30	24000	80	30	2400
10	Split bamboo for vinchana	Nos	140	20	2800	14	20	280	280	20	5600	28	20	560	440	20	8800	44	20	880
11	G.I. Wire	Kg	20	65	1300	2	65	130	35	65	2275	3.5	65	227.5	55	65	3575	5.5	65	357.5
12	Solid bamboo for adia	Nos	120	40	4800	12	40	480	205	40	8200	20	40	800	252	40	10080	25	40	1000
13	Split bamboo for potha	Nos	80	20	1600	8	20	160	160	20	3200	16	20	320	200	20	4000	20	20	400
14	Chhrai	Bundle	20	50	1000	2	50	100	40	50	2000	4	50	200	60	50	3000	6	50	300
15	Inkad	Kahan	5	250	1250	3	250	750	10	250	2500	5	250	1250	15	250	3750	7	250	1750
16	Tying materials	LS			1000			1000			1750			1750			2500			2500
17	Side walls / thatas	Nos	12	250	3000	4	250	1000	18	250	4500	6	250	1500	22	250	5500	7	250	1750
<b>SUB TOTAL - B</b>					<b>43830</b>			<b>15640</b>			<b>82985</b>			<b>28888</b>			<b>118395</b>			<b>41638</b>
Miscellaneous / Contingency @10%					5880			2860			10885			4882			15605			7082
<b>GRAND TOTAL</b>					<b>64200</b>			<b>31100</b>			<b>119700</b>			<b>53300</b>			<b>171800</b>			<b>77700</b>
Leaf yield		Lakh			1			2.4			2			4.8			3			7
Gross income @ 300 / 1000 leaves (Rs.)					30000			72000			60000			144000			90000			210000
Net income (Rs.)					-34200			40900			-59700			90701			-81800			132301



Coriander(*Coriandrum sativum*), Fenugreek (*Traegonella foenum-graecum*), Cumin(*Cuminum cyminum*), Fennel(*Foeniculum vulgare*), Celery(*Apium graveolens*)

Area -1ha		Corriander			Fenugreek			Cumin			Fennel			Celery			
		Density: 400000			Density: 450000			Density: 450000			Density: 450000			Density: 450000			
		Space:25-45X5-10cm			Space:20-30X8-10cm			Spacing:10 cmX5 cm			Space:20-30X8-10cm			Space:20-30X8-10cm			
Sl No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																	
1	Tractor ploughing	Hrs	3	500	1500	3	500	1500	3	500	1500	3	500	1500	3	500	1500
2	Bullock plough for sowing	Days	3	250	750	3	250	750	3	250	750	3	250	750	5	126	630
3	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	10	126	1260
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
5	Seed treatment & seed sowing	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	50	126	6300
6	Irrigation (Need based)	MD	10	126	1260	12	126	1512	12	126	1512	12	126	1512	30	126	3780
7	Intercultural operation (hoeing, weeding)	MD	25	126	3150	25	126	3150	25	126	3150	25	126	3150	22	126	2772
8	Application of fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
9	Application of PP chemicals & weedicide	MD	5	126	630	3	126	378	3	126	378	3	126	378	3	126	378
10	Harvesting & Post harvest handling	MD	35	126	4410	35	126	4410	50	126	6300	35	126	4410	40	126	5040
<b>SUB TOTAL - A</b>		MD	<b>100</b>		<b>12600</b>	<b>100</b>		<b>12600</b>	<b>115</b>		<b>14490</b>	<b>100</b>		<b>12600</b>	<b>165</b>		<b>20790</b>
<b>B. INPUTS</b>																	
1	Cost of seeds	Kg	25	90	2250	25	120	3000	15	200	3000	12	100	1200	1	100	100
2	Seed treating chemical @ 3g/kg	g	75	0.8	60	75	0.8	60	45	0.8	36	36	0.8	29	3	0.8	2
3	Manure / Compost	MT	10	800	8000	10	800	8000	10	800	8000	10	800	8000	10	800	8000
4	Biofertilizers(Azotobactor + PSB)	Kg	1	80	80	1	80	80	0.6	80	48	0.6	80	48	0.6	80	48
5	Fertilizers																
	Nitrogen	Kg	30	12.37	371	30	12.37	371	30	12.37	371	90	12.37	1113	60	12.37	742
	Phosphorus	Kg	40	47.8	1912	40	47.8	1912	20	47.8	956	40	47.8	1912	60	47.8	2868
	Potassium	Kg	20	27	540	20	27	540	20	27	540	20	27	540	40	27	1080
6	PP chemicals	Nos	1	600	600	1	600	600	1	600	600	1	600	600	1	600	600
7	Weedicide	Kg	1	800	800	1	800	800	1	800	800	1.25	800	1000	1.25	800	1000
8	Irrigation charges	Hr	24	75	1800	24	75	1800	24	75	1800	24	75	1800	48	75	3600
<b>SUB TOTAL - B</b>					<b>16413</b>			<b>17163</b>			<b>16151</b>			<b>16242</b>			<b>18041</b>
Miscellaneous / Contingency @10%					2987			2937			3059			2906			3869
<b>GRAND TOTAL</b>					<b>32000</b>			<b>32700</b>			<b>33700</b>			<b>31748</b>			<b>42700</b>

Seed yield (qtl.) per ha.	Qtl	15	15	7	10	15
Gross income (Rs.)		4000	60000	4000	70000	5000
Net income Rs.		28000	27300	36300	18252	32300

Sl No	Coriander
<b>A. LABOUR</b>	
1	Tractor ploughing
2	Cleaning field and bunds
3	Bed preparation, compost & basal fertilizer
4	Rhizome treatment
5	Irrigation (Need based)
6	Intercultural operation (hoeing, weeding, etc.)
7	Application of fertilizer
8	Application of PP chemicals & weedicide
9	Application of biofertilizers
10	Harvesting & Post harvest handling
<b>B. INPUTS</b>	
1	Cost of Planting material
2	Rhizome treatment
3	Rhizome treatment
4	Manure / Compost
5	Biofertilizers
6	Fertilizers
	Nitrogen
	Phosphorus
	Potassium
7	Organic fertilizer
8	PP chemicals
9	Organic fertilizer
10	Organic manure
11	Irrigation charges
12	Processing charges
Miscellaneous / Contingency @10%	
<b>GRAND TOTAL</b>	
Seed yield (qtl.) per ha.	Qtl
Gross income (Rs.)	
Net income Rs.	

Celery	
Density: 450000	
Spacing: 20-30X8-10cm	
Rate (Rs.)	Cost (Rs.)
500	1500
126	630
126	1260
126	630
126	6300
126	3780
126	2772
126	630
126	378
126	5040
126	30790
100	100
0.8	2
800	8000
80	48
12.37	742
47.8	2868
27	1080
600	600
800	1000
75	3600
18041	
3869	
42700	

15
5000 75000
32300

Ginger ( <i>Zingiber officinale</i> ) & Turmeric ( <i>Curcuma longa</i> )															
Area -1ha			Ginger						Turmeric						
			Density: 180000						Density: 180000						
			Spacing: 25 cm X 20 cm						Spacing: 25 cm X 20 cm						
Sl No	Components of cost		Inorganic			Organic			Inorganic			Organic			
	Unit		Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
1	Tractor ploughing		Hrs	5	500	2500	5	500	2500	5	500	2500	5	500	2500
2	Cleaning field and demarcation		MD	5	126	630	5	126	630	5	126	630	5	126	630
3	Bed preparation, application of compost & basal fertilizer		MD	100	126	12600	100	126	12600	100	126	12600	100	126	12600
4	Rhizome treatment, planting		MD	100	126	12600	100	126	12600	100	126	12600	100	126	12600
5	Irrigation (Need based)		MD	30	126	3780	30	126	3780	30	126	3780	30	126	3780
6	Intercultural operation (hoeing, weeding, etc)		MD	125	126	15750	125	126	15750	125	126	15750	125	126	15750
7	Application of fertilizer, PP chemicals & weedicide		MD	20	126	2520				20	126	2520			
8	Application of organic inputs & PP		MD				20	126	2520				20	126	2520
9	Application of mulching materials		MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520
10	Harvesting & Post harvest handling		MD	250	126	31500	250	126	31500	250	126	31500	250	126	31500
	<b>SUB TOTAL - A</b>		<b>MD</b>	<b>650</b>		<b>81900</b>	<b>650</b>		<b>81900</b>	<b>650</b>		<b>81900</b>	<b>650</b>		<b>81900</b>
	<b>B. INPUTS</b>														
1	Cost of Planting materials		Qtl	15	5000	75000	15	6000	90000	20	2200	44000	20	2500	50000
2	Rhizome treating chemicals		g	900	0.8	720				1200	0.8	960			
3	Rhizome treatment with Trichoderma		g				450	1	450				600	1	600
4	Manure / Compost		MT	15	800	12000	25	800	20000	15	800	12000	25	800	20000
5	Biofertilizers(Azotobactor +PSB)		Kg	10	80	800	10	80	800	10	80	800	10	80	800
6	Fertilizers														
	Nitrogen		Kg	125	12.37	1546				60	12.37	742			
	Phosphorus		Kg	100	47.80	4780				30	47.8	1434			
	Potassium		Kg	100	27.00	2700				90	27	2430			
7	Organic fertilizers		Qtl				10	2000	20000				10	2000	20000
8	PP chemicals and weedicide		Nos	8	600	4800				8	600	4800			
9	Organic PP measures		Nos				8	600	4800				8	600	4800
10	Organic mulching materials		LS	1	10000	10000	1	10000	10000	1	10000	10000	1	10000	10000
11	Irrigation charges		Hr	80	75	6000	80	75	6000	80	75	6000	80	75	6000
12	Processing charges		Qtl							200	30	6000	150	30	4500
	<b>SUB TOTAL - B</b>					<b>118346</b>			<b>152050</b>			<b>89166</b>			<b>116700</b>
	Miscellaneous / Contingency @ 10%					19914			23350			17134			19800
	<b>GRAND TOTAL</b>					<b>220160</b>			<b>257300</b>			<b>188200</b>			<b>218400</b>

Rhizome yield	Qtl		175		120
Gross income (Rs.)		3000	525000	3500	420000
Net income (Rs.)			304840		162700

		60		50
5000	300000	6000	300000	
	111800		81600	



**Tamarind (*Tamarindus indica*)**

Area -1ha		Density-100 plants				Spacing--10m X 10m				Labour @ Rs.126/MD				Cost in Rupees							
Sl	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7th year		8th year		9th year		10 -40th year	
No	A. LABOUR	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
1	Tractor ploughing@Rs.500/ hr& bullock plough or Power tiller from 2nd year onwards proportionate to the cost	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500	5	2500
2	Lay out & demarcation	2	252																		
3	Digging of pits (1mx1mx1m)	38	4788	2	252	1	126														
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	13	1638	1	126	1	126														
5	Planting followed by watering	2	252	1	126	1	126														
6	Staking	2	252																		
7	Irrigation	64	8064	70	8820	80	10080	30	3780	30	3780	30	3780	30	3780	30	3780	30	3780	30	3780
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	12	1512	14	1764	16	2016	18	2268	20	2520	20	2520	20	2520	20	2520	20	2520	20	2520
9	Application of PP chemicals	6	756	6	756	8	1008	10	1260	12	1512	14	1764	18	2268	18	2268	20	2520	22	630
10	Training & pruning	2	252	2	252	4	504	4	504	5	630	5	630	5	630	5	630	5	630	5	3780
11	Harvesting, Post harvest handling							6	756	10	1260	18	2268	20	2520	25	3150	30	3780	30	13482
	<b>SUB TOTAL - A</b>	<b>141</b>	<b>20266</b>	<b>96</b>	<b>14596</b>	<b>111</b>	<b>16486</b>	<b>68</b>	<b>11068</b>	<b>77</b>	<b>12202</b>	<b>87</b>	<b>13462</b>	<b>93</b>	<b>14218</b>	<b>98</b>	<b>14848</b>	<b>105</b>	<b>15730</b>	<b>107</b>	<b>26692</b>
	<b>B. INPUTS</b>																				
1	Planting material @ Rs.32.50 /graft	100	3250	10nos.	325	5	162.5														
2	Cost of manure @ Rs. 800 / MT	1.5	1200	1	800	2	1600	2	1600	2	1600	2	1600	2	1600	2	1600	2	1600	2	1600
3	Fertilizers																				
	N @ Rs.12.37 per Kg.	1	12	2	25	3	37	4	49	5	62	6	74	7	87	8	99	9	111	10	124
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	2	96	4	191	6	287	8	382	10	478	12	574	14	669	16	765	18	860	20	956
	K <sub>2</sub> O @ Rs.27.00 per Kg	1	27	2	54	3	81	4	108	5	135	6	162	7	189	8	216	9	243	10	270
4	Micronutrients						500		750		1000		1000		1250		1500		1500		1500
5	Cost of PP chemicals		1500		1500		2000		2200		2200		2500		2500		2700		3000		3000
6	Staking material @Rs.5/		500		250																
7	Irrigation charges		2000		2000		3000		3000		4000		4000		4000		4000		4000		4000
8	Mulching material		20000																		
9	Fencing		20000		5000		5000		5000												
	<b>SUB TOTAL -B</b>		<b>48585</b>		<b>10145</b>		<b>12667</b>		<b>13090</b>		<b>9474.9</b>		<b>9909.8</b>		<b>10295</b>		<b>10880</b>		<b>11315</b>		<b>11450</b>
	Miscellaneous / Contingency @10%		6849		2459		2947		2442		2123		2328		2497		2572		2755		3858
	<b>GRAND TOTAL</b>		<b>75700</b>		<b>27200</b>		<b>32100</b>		<b>26600</b>		<b>23800</b>		<b>25700</b>		<b>27010</b>		<b>28300</b>		<b>29800</b>		<b>42000</b>
	<b>Per plant (Rs.)</b>		<b>757</b>		<b>272</b>		<b>321</b>		<b>266</b>		<b>238</b>		<b>257</b>		<b>270</b>		<b>283</b>		<b>298</b>		<b>420</b>

Yield / Year ----->							
Kg per plant		10	15	20	50	100	200
MT per 1.0 Ha.		1	1.5	2	5	10	20
Income @ Rs.15 per Kg		15000	22500	30000	75000	150000	300000

Area -1ha.	
Sl	Components of cost
No	<b>A. LABOUR</b>
1	Tractor ploughing
2	Field clearing
3	Digging of pits
4	Filling of pits
5	Planting followed by watering
6	Irrigation
7	Intercultural operation
8	Application of fertiliser & manure
9	Application of PP chemicals
10	Harvesting
	<b>B. INPUTS</b>
1	Planting material
2	Cost of manure
3	Fertiliser
	N @ Rs.12.37 per Kg.
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg
	K <sub>2</sub> O @Rs.27.00 per Kg
4	Cost of micronutrients
5	Irrigation charges
6	Process
	Miscellaneous
	<b>Per plant (Rs.)</b>
	Flower
	Flower
	Flower
	Conce
	Gross
	Net in

year	10-40th year
Cost (Rs.)	Unit / MD Cost (Rs.)
2500	5 2500
3780	30 3780
2520	20 2520
2520	22 630
630	5 3780
780	30 13482
5730	107 26692
600	2 1600
11	10 124
60	20 956
43	10 270
500	1500
00	3000
00	4000
15	11450
55	3858
00	42000
8	420
0	200
00	20
00	300000

Kewada or Kia ( <i>Pandanus fascicularis</i> )															
Area -1ha.		Density-1100 plants				Spacing-3.0 m X 3.0 m				Labour @Rs.126/MD		Cost in Rupees			
Sl No	Components of cost	1st year		2nd-4th year		5th year		6th year		7th-8th year		9th-10th year		10th-25th year	
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>															
1	Tractor ploughing @Rs.500/ hr.	5	2500												
2	Field cleaning, lay out & demarcation	5	630												
3	Digging of pits (0.45m X 0.45m X 0.45m)	70	8820												
4	Filling of pits( carrying compost to pit, mixing with soil & basal dose of fertilizer, pesticides etc.)	25	3150												
5	Planting followed by watering	10	1260												
6	Irrigation (Need based)	25	3150	15	1890	15	1890	15	1890	15	1890	15	1890	15	1890
7	Intercultural operation(Hoeing, weeding, etc)	50	6300	30	3780	30	3780	30	3780	30	3780	30	3780	30	3780
8	Application of fertiliser & manure	5	630	5	630	5	630	5	630	5	630	5	630	5	630
9	Application of PP chemicals	6	756	9	1134	12	1512	15	1890	24	3024	30	3780	30	3780
10	Harvesting & post harvest operation					32	4032	48	6048	64	8064	80	10080	100	12600
	<b>SUB TOTAL - A</b>	<b>196</b>	<b>27196</b>		<b>7434</b>		<b>11844</b>		<b>14238</b>		<b>17388</b>		<b>20160</b>		<b>22680</b>
<b>B. INPUTS</b>															
1	Panting material @ Rs.10.00 / ground sucker	1100	11000												
2	Cost of manure @ Rs. 800 / MT	11	8800	5.5	4400	5.5	4400	5.5	4400	5.5	4400	5.5	4400	5.5	4400
3	Fertiisers (May be given)														
	N @ Rs.12.37 per Kg.	50	619	50	619	50	619	50	619	50	619	50	619	50	619
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	40	1912												
	K <sub>2</sub> O @Rs.27.00 per Kg	40	1080												
4	Cost of PP chemicals		6000		6000		7000		9000		9000		9000		9000
5	Irrigation charges @Rs.75/hr	40	3000	40	3000	40	3000	40	3000	40	3000	40	3000	40	3000
6	Processing charges of concentrate @Rs.600/Kg					4	2400	6	3600	8	4800	10	6000	12	7200
	<b>SUB TOTAL - B</b>		<b>32411</b>		<b>14019</b>		<b>17419</b>		<b>20619</b>		<b>21819</b>		<b>23019</b>		<b>24219</b>
	Miscellaneous / Contingency @ 10%		5993		2147		2937		3443		3993		4321		4601
	<b>GRAND TOTAL</b>		<b>65600</b>		<b>23600</b>		<b>32200</b>		<b>38300</b>		<b>43200</b>		<b>47500</b>		<b>51500</b>
<b>Per plant (Rs.)</b>			<b>59.64</b>		<b>21.45</b>		<b>29.27</b>		<b>34.82</b>		<b>39.27</b>		<b>43.18</b>		<b>46.82</b>
	Flower yield (nos. / plant)						15		20-25		30-35		35-40		45-50
	Flower yield (nos. /ha)						16500		24750		36575		41250		52250
	Flower yield @1000 nos / qtl (Qtl /ha)						16.5		24.75		36.575		41.25		52.25
	Concentrate yield @4Kg / qtl (Kg /ha)						4.125		6.1875		9.1438		10.3125		13.0625
	Gross income from concentrate@ Rs. 15000/Kg		0		0		61875		92813		137156		154688		195938
	Net income (Rs.)		-65600		-23600		29676		54513		93957		107188		144438



Lemon grass ( <i>Cymbopogon flexuosus</i> )		Pamarosa ( <i>Cymbopogon martini</i> var. <i>motia</i> )		Citronella ( <i>Cymbopogon winterianus</i> )																	
Area -1ha		Lemon grass		Pamarosa		Citronella															
		Density: 62500		Density: 40000		Density: 40000															
		Spacing: 50 cm X 30 cm		Spacing: 50 cm X 50 cm		Spacing: 50 cm X 50 cm															
Sl	Components of cost	1st Year			2nd -4th Year			1st Year			2nd -4th Year			1st Year			2nd -4th Year				
No		Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
<b>A. LABOUR</b>																					
1	Tractor ploughing	Hrs	3	500	1500				3	500	1500				3	500	1500				
2	Bullock plough	Days	3	250	750				3	250	750				3	250	750				
3	Cleaning field and bunds. lay out	MD	5	126	630				5	126	630				5	126	630				
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
5	Planting and initial watering	MD	40	126	5040				30	126	3780				30	126	3780				
6	Irrigation (Need based)	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520	
7	Intercultural operation (hoeing, weeding)	MD	50	126	6300	50	126	6300	50	126	6300	50	126	6300	50	126	6300	50	126	6300	
8	Application of fertilizer	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	
9	Application of organic PP chemicals	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
10	Harvesting & Post harvest handling	MD	50	126	6300	60	126	7560	50	126	6300	60	126	7560	50	126	6300	60	126	7560	
<b>SUB TOTAL - A</b>		MD	185		23310	150		18900	175		22050	150		18900	175		22050	150		18900	
<b>B. INPUTS</b>																					
1	Planting materials	Nos	62500	0.4	25000				40000	0.25	10000				40000	0.25	10000				
2	Manure / Compost	MT	10	800	8000	5	800	4000	10	800	8000	5	800	4000	10	800	8000	5	800	4000	
3	Oil cake	Qtl	12.5	1800	22500				12.5	1800	22500				12.5	1800	22500				
<b>4 Fertilizers</b>																					
	Nitrogen	Kg	120	12.4	1484	120	12.4	1484	100	12.4	1237	100	12.4	1237	120	12.4	1484	80	12.4	990	
	Phosphorus	Kg	40	47.8	1912	40	47.8	1912	60	47.8	2868	60	47.8	2868	40	47.8	1912				
	Potassium	Kg	40	27	1080	40	27	1080	40	27	1080	40	27	1080	40	27	1080				
5	Organic PP chemicals	Nos	3	600	1800	3	600	1800	3	600	1800	3	600	1800	3	600	1800	3	600	1800	
6	Irrigation charges	Hr	40	75	3000	40	75	3000	40	75	3000	40	75	3000	40	75	3000	40	75	3000	
7	Processing charges	Kg	150	75	11250	180	75	13500	150	75	11250	200	75	15000	200	75	15000	250	75	18750	
<b>SUB TOTAL - B</b>					76026			26776			61735			28985			64776			28540	
Miscellaneous / Contingency @10%					9964			4554			8315			4715			8674			4760	
<b>GRAND TOTAL</b>					109300			50230			92100			52600			95500			52200	
Oil yield		Kg			150			180			150			200			200			250	
Gross income (Rs.)					1000	150000		1000	180000		900	135000		900	180000		500	100000		500	125000
Net income Rs.						40700		129770			42900			127400			4500			72800	

riarius)		
ella		
40000		
m X 50 cm		
2nd -4th Year		
Nos	Rate	Cost
	(Rs.)	(Rs.)
5	126	630
20	126	2520
50	126	6300
10	126	1260
5	126	630
60	126	7560
150		18900
5	800	4000
30	12.4	990
3	600	1800
40	75	3000
50	75	18750
		28540
		4760
		52200
		250
500	125000	
		72800

		Pachouli ( <i>Pogostemon patchouli</i> )					Mint ( <i>Menta spp</i> )			Indian Basil ( <i>Cymbopogon flexuosus</i> )							
Area -1ha		Pachouli					Mint					Indian Basil					
		Density: 25000					Density: 250000					Density: 62500					
		Spacing: 60 cm X 60 cm					Spacing: 40 cm X 10 cm					Spacing: 40 cm X 40 cm					
Sl No	Components of cost	Unit	1st Year			2nd -3rd Year			1st Year			2nd -5th Year			1st Year		
			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																	
1	Tractor ploughing	Hrs	3	500	1500				3	500	1500	3	500	1500	3	500	1500
2	Bullock plough	Days	3	250	750				3	250	750	3	250	750	3	250	750
3	Cleaning field and bunds, lay out	MD	5	126	630				10	126	1260	10	126	1260	5	126	630
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
5	Planting and initial watering	MD	30	126	3780				40	126	5040	40	126	5040	5	126	630
6	Irrigation (Need based)	MD	75	126	9450	75	126	9450	30	126	3780	30	126	3780			
7	Intercultural operation (hoeing, weeding)	MD	40	126	5040	30	126	3780	50	126	6300	50	126	6300	27	126	3402
8	Application of fertilizer	MD	10	126	1260	5	126	630	5	126	630	5	126	630	5	126	630
9	Application of organic PP chemicals	MD	10	126	1260	10	126	1260	5	126	630	5	126	630	3	126	378
10	Harvesting & Post harvest handling	MD	50	126	6300	75	126	9450	80	126	10080	80	126	10080	25	126	3150
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>225</b>		<b>28350</b>	<b>200</b>		<b>25200</b>	<b>225</b>		<b>28350</b>	<b>225</b>		<b>28350</b>	<b>75</b>		<b>9450</b>
<b>B. INPUTS</b>																	
1	Planting materials	Nos	25000	0.75	18750				3 qtl stolon	1000	3000				250 g seed	1000	250
2	Manure / Compost	MT	20	800	16000	20	800	16000	30	800	24000	30	800	24000	5	800	4000
3	Oil cake	Qtl							12.5	1800	22500	12.5	1800	22500			
4	Fertilizers																
	Nitrogen	Kg	120	12.37	1484	60	12.4	742	120	12.37	1484	120	12.37	1484	80	12.37	990
	Phosphorus	Kg	50	47.8	2390	40	47.8	1912	60	47.8	2868	60	47.8	2868	40	47.8	1912
	Potassium	Kg	50	27	1350	40	27	1080	40	27	1080	40	27	1080			
5	Organic PP chemicals	Nos	3	600	1800	3	600	1800	2	600	1200	2	600	1200	2	600	1200
6	Irrigation charges	Hr	150	75	11250	150	75	11250	60	75	4500	60	75	4500			
7	Processing charges	Kg							150	75	11250	150	75	11250	70	75	5250
	<b>SUB TOTAL - B</b>				<b>53024</b>			<b>32784</b>			<b>71882</b>			<b>68882</b>			<b>13602</b>
	Miscellaneous / Contingency @10%				8126			5716			10068			9768			2348
	<b>GRAND TOTAL</b>				<b>89500</b>			<b>63700</b>			<b>110300</b>			<b>107000</b>			<b>25400</b>

Yield	Qtl	Dry whole plant	45	60	Seed	50	50		
Oil yield	Qtl				Oil	1.5	1.5		
Income from	Rs	2500	112500	2500	3000	150000	3000	150000	
Income from oil	Rs				30000	45000	30000	45000	
Gross income	Rs		112500	150000		195000		195000	
Net income	Rs		23000	86300		84700		88000	
							Oil	70	
								1000	70000
									70000
									44600



Arecanut ( <i>Areca catechu</i> )											
Area-1ha		Density-1370 plants		Spacing-2.7mX2.7m							
Sl No	Components of cost	1st year		2nd year		3rd year		4th year		5th-25th year	
		Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)
<b>A. LABOUR</b>											
1	Tractor ploughing@Rs 500/ hr&bullock plough or Power tiller from 2nd year onwards proportionate to the cost	5 hr	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500
2	Lay out & demarcation	6	756								
3	Digging of pits (0.45mX0.45mX0.45m)	45	5670	2	252						
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	12	1512	1	126						
5	Planting followed by watering	13	1638	1	126						
6	Irrigation	100	12600	100	12600	75	9450	75	9450	75	9450
7	Staking	3	378								
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	30	3780	30	3780	30	3780	30	3780	30	3780
9	Application of PP chemicals & Hormone	12	1512	15	1890	20	2520	25	3150	30	3780
10	Cleaning of crown					160	20160	200	25200	250	31500
11	Harvesting, Post harvest handling										
<b>SUB TOTAL - A</b>			<b>30346</b>		<b>21274</b>		<b>38410</b>		<b>44080</b>		<b>51010</b>
<b>B. INPUTS</b>											
1	Planting material @Rs 14/seedling	1470 nos	20580	70 nos	980						
2	Cost of manure @Rs 800/ MT	27.4 MT	21920	13.7 MT	10960	13.7 MT	10960	13.7 MT	10960	13.7 MT	10960
3	Fertilizers										
	N @ Rs 12.37 per Kg	47.95 kg	593	95.9 kg	1186	137 kg	1695	137 kg	1695	137 kg	1695
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	20.55 kg	982	34.25 kg	1965	54.8 kg	2619	54.8 kg	2619	54.8 kg	2619
	K <sub>2</sub> O @Rs.27.00 per Kg	61.65 kg	1665	130.15 kg	3329	191.8 kg	5179	191.8 kg	5179	191.8 kg	5179
4	Micronutrients (Magnesium & Boron)		1000		1500		2000		3000		3000
5	Cost of PP chemicals		4000		3000		4000		5000		7000
6	Cost of staking material @Rs.3/		4110		600						
7	Irrigation charges		7000		8000		9000		10000		10000
8	Mulching material		20000								
9	Fencing material		20000		5000		5000		5000		
<b>SUB TOTAL - B</b>			<b>101850</b>		<b>36520</b>		<b>40453</b>		<b>43453</b>		<b>40453</b>
	Miscellaneous / Contingency @10%		13204		5706		7837		8767		9137
<b>GRAND TOTAL</b>			<b>145400</b>		<b>63500</b>		<b>86700</b>		<b>96300</b>		<b>100600</b>
Per plant (Rs.)			106		46		63		70		73

Cocoa ( <i>Theobroma cacao</i> )											
Area-1ha		Density-444 plants		Spacing-7.5mX3m							
Sl No	Components of cost	1st year		2nd year		3rd-30th year		3rd-30th year		3rd-30th year	
		Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)	Unit/ MD	Cost (Rs.)
<b>A. LABOUR</b>											
1	Ploughing @Rs.500/ hr.	5 hr	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500
2	Lay out & demarcation	6	756								
3	Digging of pits (0.5mX0.5mX0.5m)	30	3780	3	378						
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	8	1008	1	126						
5	Planting followed by watering	15	1890	1	126						
6	Irrigation (Need based)	112	14112	112	14112	100	12600				
7	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	14	1764	16	2016	18	2268				
8	Application of PP chemicals	7	882	10	1260	10	1260				
9	Training & Pruning	10	1260	20	2520	20	2520				
10	Harvesting, Post harvest handling	120	15120	150	18900	150	18900				
<b>SUB TOTAL - A</b>			<b>43072</b>		<b>41938</b>		<b>40048</b>				
<b>B. INPUTS</b>											
1	Planting material @Rs 5/seedling	488nos	2440	44 nos.	220						
2	Cost of manure @Rs. 800/ MT	7.15 MT	5720	7.15 MT	5720	7.15 MT	5720	7.15 MT	5720	7.15 MT	5720
3	Fertilizers										
	N @ Rs. 12.37 per Kg	14.8 Kg	183	29.6 Kg.	366	44.4 Kg.	1098				
	P <sub>2</sub> O <sub>5</sub> @Rs.47.8 per Kg	5.87 Kg	281	11.73 Kg	561	17.6 Kg.	1684				
	K <sub>2</sub> O @Rs.27.00 per Kg	20.72 Kg.	559	41.44 Kg.	1119	62.16 Kg	3357				
4	Micronutrients (Mixed)		1500		2000		2000				
5	Cost of PP chemicals & hormones		3000		2000		3000				
6	Irrigation charges		4000		4000		5000				
<b>SUB TOTAL - B</b>			<b>17683</b>		<b>15986.2</b>		<b>21859</b>				
	Miscellaneous / Contingency @10%		6045		5776		6193				
<b>GRAND TOTAL</b>			<b>66800</b>		<b>63700</b>		<b>68100</b>				
Per plant (Rs.)			334		319		340				

Yield/Year ----->	1	2	3	4	5
Yield/Ha (Chalk in cfl)			10	15	25
Income @Rs. 8000/cfl			80000	120000	200000
Net income (Rs.)	-145400	-63500	-6700	23700	99400

Yield/Year ----->	1	2	3 to 30
Yield/ Ha. (Dried beans in kgs)	200	350	500
Income @Rs 600 per kg	120000	210000	300000

Area -1ha.	
Sl No	Components of cost
<b>A. LABOUR</b>	
1	Tractor ploughing
2	Lay out & demarcation
3	Digging of pits (0.5mX0.5mX0.5m)
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)
5	Planting followed by watering
6	Irrigation (Need based)
7	Intercultural operation(hoeing, weeding, application of fertiliser & manure)
8	Application of PP chemicals
9	Pruning / abalancing
10	Harvesting, Post harvest handling
<b>B. INPUTS</b>	
1	Planting material @Rs 5/seedling
2	Cost of manure @Rs. 800/ MT
3	Fertilizers
	N @ Rs.12.37 per Kg
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg
	K <sub>2</sub> O @ Rs.27.00 per Kg
4	Micronutrients (Magnesium & Boron)
5	Borax @ Rs.5000/MT
6	Cost of PP chemicals & hormones
7	Irrigation charges
8	Mulching material
9	Fencing material
	Miscellaneous / Contingency @10%

Yield/Year ----->	1	2	3 to 30
Yield/ Ha. (F)			
Income @ F			

**Oil palm (*Elaeis guineensis*)**

Area -1ha.		Density-143 plants		Spacing-9m X 9m				Labour @ Rs.126/MD				Cost in Rupees	
Sl No	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6-30th year	
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
1	Tractor ploughing @ Rs.500/ hr.	5 hr	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500
2	Lay out & demarcation	3	378										
3	Digging of pits (0.6mx0.6mx0.6m)	11	1386	1	126								
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	4	504	1	126								
5	Planting followed by watering	7	882	1	126								
6	Irrigation (Need based)	112	14112	112	14112	100	12600	100	12600	48	6048	48	6048
7	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	14	1764	16	2016	18	2268	20	2520	20	2520	20	2520
8	Application of PP chemicals	7	882	10	1260	10	1260	10	1260	12	1512	12	1512
9	Pruning / abalation / pollination weevil			20	2520	20	2520	30	3780	50	6300	50	6300
10	Harvesting, Post harvest handling					20	2520	40	5040	80	10080	100	12600
	<b>SUB TOTAL - A</b>		<b>22408</b>		<b>22786</b>		<b>23668</b>		<b>27700</b>		<b>28960</b>		<b>31480</b>
	<b>B. INPUTS</b>												
1	Planting material @ Rs.60 /seedling	150nos.	9000	7 nos.	420								
2	Cost of manure @ Rs. 800 / MT	7.15 MT	5720	7.15 MT	5720	7.15 MT	5720	7.15 MT	5720	7.15 MT	5720	7.15 MT	5720
3	Fertilizers												
	N @ Rs.12.37 per Kg.	57.2 Kg.	708	114.4 Kg.	1415	171.6 Kg.	2123	171.6 Kg.	2123	171.6 Kg.	2123	206 Kg.	2548
	P <sub>2</sub> O <sub>5</sub> @Rs.47.8 per Kg	28.6 Kg.	1367	57.2 Kg.	2734	85.8 Kg.	4101	85.8 Kg.	4101	85.8 Kg.	4101	103 Kg.	4923
	K <sub>2</sub> O @ Rs.27.00 per Kg	57.2 Kg.	1544	114.4 Kg.	3089	171.6 Kg.	4633	171.6 Kg.	4633	171.6 Kg.	4633	206 Kg.	5562
4	Micronutrients (Mixed) @Rs.80/kg	17.9 Kg.	1432	35.75 Kg.	2864	71.5 Kg.	5728	71.5 Kg.	5728	71.5 Kg.	5728	71.5 Kg.	5728
5	Borax @ Rs.55.00 per Kg					7.15 Kg.	1074	14.3 Kg.	2148	14.3 Kg.	2148	14.3 Kg.	2148
6	Cost of PP chemicals & hormones		3000		2000		3000		3000		3000		3000
7	Irrigation charges		4000		4000		5000		5000		5000		5000
8	Mulching material		20000										
9	Fencing material		20000		5000		5000		5000				
	<b>SUB TOTAL -B</b>		<b>66771</b>		<b>27242.1</b>		<b>36379.1</b>		<b>37453</b>		<b>32453.1</b>		<b>34629.6</b>
	Miscellaneous / Contingency @10%		8921		5072		6053		6547		6187		6690
	<b>GRAND TOTAL</b>		<b>98100</b>		<b>55100</b>		<b>66100</b>		<b>71700</b>		<b>67600</b>		<b>72800</b>
	<b>Per plant (Rs.)</b>		<b>491</b>		<b>276</b>		<b>331</b>		<b>359</b>		<b>338</b>		<b>364</b>

Yield / Year ----->	3	4	5	6 to 30
Yield/ Ha. (FFB in tonnes)	5	10	20	30
Income @ Rs.7500 per tonne	37500	75000	150000	225000



**Coconut (Cocos nucifera) - Tall**

		Area - 1ha		Density-177 plants		Spacing-7.5m X 7.5m		Labour @Rs 126/MD		Cost in Rupees											
Sl No	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7th year		8th year		9th year		10-40th year	
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>																					
1	Tractor ploughing@Rs 500/ hr& bullock plough or Power tiller from 2nd year onwards proportionate to the cost	5 hr	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500
2	Lay out & demarcation	3	378																		
3	Digging of pits (1mx1mx1m)	63	7938	4	504																
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	21	2646	1	126																
5	Planting followed by watering	7	882	1	126																
6	Irrigation	112	14112	112	14112	100	12600	100	12600	48	6048	48	6048	48	6048	48	6048	48	6048	48	6048
7	Staking	3	378																		
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	14	1764	16	2016	18	2268	20	2520	20	2520	20	2520	20	2520	20	2520	20	2520	20	2520
9	Application of PP chemicals & Hormone	7	882	10	1260	10	1260	10	1260	12	1512	14	1764	16	2016	18	2268	20	2520	22	2772
10	Cleaning of crown					4	504	6	756	10	1260	12	1512	14	1764	20	2520	20	2520	20	2520
11	Harvesting, Post harvest handling													7	882	10	1260	12	1512	20	2520
	<b>SUB TOTAL - A</b>		<b>31480</b>		<b>20644</b>		<b>19132</b>		<b>19636</b>		<b>13840</b>		<b>14344</b>		<b>15730</b>		<b>17116</b>		<b>17620</b>		<b>18880</b>
<b>B. INPUTS</b>																					
1	Planting material @Rs.35.50/seedling	177 nos	6283.5	9 nos	319.5																
2	Cost of manure @Rs. 800 / MT	8.75 MT	7000	5.25MT	4200	7 MT	5600	8.75MT	7000	8.75 MT	7000	8.75 MT	7000	8.75 MT	7000	8.75 MT	7000	8.75 MT	7000	8.75 MT	7000
3	Fertilizers																				
	N @ Rs.12.37 per Kg.	8.75 kg	108	28kg	346	57.75 kg	714	87.5 kg	1082	87.5 kg	1082	87.5 Kg	1082.4	87.5Kg	1082	87.5Kg	1082.4	87.5Kg	1082	87.5Kg	1082
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg	7.0 kg	335	21kg	1004	42kg	2008	56 kg	2677	56 kg	2677	56 Kg	2676.8	56 Kg	2677	56 Kg	2676.8	56 Kg	2677	56 Kg	2677
	K <sub>2</sub> O @Rs.27.00 per Kg	23.63 kg	638	70.88 kg	1914	141.75 kg	3827	210 kg	5670	210 kg	5670	210 Kg	5670	210 Kg	5670	210 Kg	5670	210 Kg	5670	210 Kg	5670
4	Micronutrients (Magnesium & Boron)		1000		1500		2000		3000		3000		3000		4000		4000		4000		4000
5	Cost of PP chemicals		1500		1500		2000		2200		2200		2500		2500		2700		3000		3000
6	Cost of staking material @Rs 5'		885		400																
7	Irrigation charges		4000		4000		4500		6000		6000		6000		6000		6000		6000		6000
8	Mulching material		20000																		
9	Fencing material		20000		5000		5000		5000		5000		5000		5000		5000		5000		5000
	<b>SUB TOTAL - B</b>		<b>61749</b>		<b>20183</b>		<b>25649.2</b>		<b>32629.2</b>		<b>27629.2</b>		<b>27929</b>		<b>28929</b>		<b>29129</b>		<b>29429</b>		<b>29429</b>
	Miscellaneous / Contingency @10%		9371		4073		4419		5235		4131		4227		4441		4655		4751		4891
	<b>GRAND TOTAL</b>		<b>102600</b>		<b>44900</b>		<b>49200</b>		<b>57500</b>		<b>45600</b>		<b>46500</b>		<b>49100</b>		<b>50900</b>		<b>51800</b>		<b>53200</b>
	<b>Per plant (Rs.)</b>		<b>257</b>		<b>112</b>		<b>123</b>		<b>144</b>		<b>114</b>		<b>116</b>		<b>123</b>		<b>127</b>		<b>130</b>		<b>133</b>
	Yield / Year ----->	6	7	8	9	10	11	12	13	14 to 60											
	yield/Tree (Nuts)	10	20	40	75	80	100	110	110	120											
	Yield / Ha (Nuts)	1750	3500	7000	13125	14000	17500	19250	19250	21000											
	Income @Rs 10/Nut	17500	35000	70000	131250	140000	175000	192500	192500	210000											

		Area - 1ha.	
Sl No	Cor		
<b>A. LABOUR</b>			
1	Tractor plough		
	plough or Power tiller		
	onwards prop		
2	Lay out & de		
3	Digging of pit		
4	Filling of pits		
	with soil & be		
5	Planting folc		
6	Irrigation		
7	Staking		
8	Intercultural		
	application		
9	Application		
10	Cleaning of		
11	Harvesting,		
<b>B. INPUTS</b>			
1	Planting m		
2	Cost of ma		
3	Fertilizers		
	N @ Rs.:		
	P <sub>2</sub> O <sub>5</sub> @Rs		
	K <sub>2</sub> O @Rs		
4	Micronutri		
5	Cost of P		
6	Cost of st		
7	Irrigation		
8	Mulching		
9	Fencing r		
	Miscellar		
	Per plant		
	Yield / Y		
	yield/Tree		
	Yield / Ha		
	Income		

**Coconut (Cocos nucifera) -Dwarf**

Area -1ha.		Density-237 plants				Spacing-6.5m X 6.5m				Labour @ Rs.126/MD		Cost in Rupees										
Sl No	Components of cost		1st year		2nd year		3rd year		4th year		5th year		6th year		7th year		8th year		9th year		10-40th year	
	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>																						
1	Tractor ploughing@Rs.500/ hr& bullock plough or Power tiller from 2nd year onwards proportionate to the cost		5 hr	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500
2	Lay out & demarcation		3	378																		
3	Digging of pits (1mx1mx1m)		84	10584	4	504																
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)		28	3528	1	126																
5	Planting followed by watering		9	1134	1	126																
6	Irrigation		112	14112	112	14112	100	12600	100	12600	48	6048	48	6048	48	6048	48	6048	48	6048	48	6048
7	Staking		4	504																		
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)		14	1764	16	2016	18	2268	20	2520	20	2520	20	2520	20	2520	20	2520	20	2520	20	2520
9	Application of PP chemicals & Hormone		7	882	10	1260	10	1260	10	1260	12	1512	14	1764	16	2016	18	2268	20	2520	22	2772
10	Cleaning of crown						4	504	6	756	10	1260	12	1512	14	1764	20	2520	20	2520	20	2520
11	Harvesting, Post harvest handling														7	882	10	1260	12	1512	20	2520
<b>SUB TOTAL - A</b>				<b>35386</b>		<b>20644</b>		<b>19132</b>		<b>19636</b>		<b>13840</b>		<b>14344</b>		<b>15730</b>		<b>17116</b>		<b>17620</b>		<b>18880</b>
<b>B. INPUTS</b>																						
1	Planting material @Rs.70/seedling		237 nos	12390	12 nos	840																
2	Cost of manure @Rs. 800 / MT		1.85 MT	9480	7.0MT	4200	9.25 MT	5600	11.85 MT	9480	11.85 MT	9480	11.85 MT	9480	11.85 MT	9480	11.85 MT	9480	11.85 MT	9480	11.85 MT	9480
<b>Fertilizers</b>																						
	N @ Rs.12.37 per Kg.		11.7 kg.	145	34.0 kg.	421	68 kg	841	117 kg.	1447	117 kg.	1447	117 kg.	1447	117 kg.	1447	117 kg.	1447	117 kg.	1447	117 kg.	1447
	P <sub>2</sub> O <sub>5</sub> @Rs.47.80 per Kg		7.5 kg.	359	22.5 kg.	1076	45 kg.	2151	75 kg	3585	75 kg	3585	75 kg	3585	75 kg	3585	75 kg	3585	75 kg	3585	75 kg	3585
	K <sub>2</sub> O @Rs.27.00 per Kg		28.1 kg	759	81.0 kg	2187	162 kg	4374	281 kg.	7587	281 kg.	7587	281 kg.	7587	281 kg.	7587	281 kg.	7587	281 kg.	7587	281 kg.	7587
4	Micronutrients (Magnesium & Boron)			1500		2000		2500		3000		3000		3000		4000		4000		4000		4000
5	Cost of PP chemicals			1500		1500		2000		2200		2200		2500		2500		2700		3000		3000
6	Cost of staking material @Rs.5/			1185		300																
7	Irrigation charges			4000		4000		4500		6000		6000		6000		6000		6000		6000		6000
8	Mulching material			20000																		
9	Fencing material			20000		5000		5000		5000												
<b>SUB TOTAL - B</b>				<b>71317</b>		<b>21523</b>		<b>26966.2</b>		<b>38299</b>		<b>33299.3</b>		<b>33599</b>		<b>34599</b>		<b>34799</b>		<b>35099</b>		<b>35099</b>
Miscellaneous / Contingency @10%				10697		4233		4602		5765		4761		4757		5071		5185		5281		5321
<b>GRAND TOTAL</b>				<b>117400</b>		<b>46400</b>		<b>50700</b>		<b>63700</b>		<b>51900</b>		<b>52700</b>		<b>55400</b>		<b>57100</b>		<b>58000</b>		<b>59300</b>
Per plant (Rs.)				<b>293</b>		<b>116</b>		<b>127</b>		<b>159</b>		<b>130</b>		<b>132</b>		<b>139</b>		<b>143</b>		<b>145</b>		<b>148</b>
Yield / Year ———>			4	5	6	7	8	9	10	11	12	13	14 to60									
Yield/Tree (Nuts)			10	20	30	40	50	75	80	100	110	110	120									
Yield / Ha (Nuts)			1750	3500	5250	7000	8750	13125	14000	17500	19250	19250	21000									
Income @ Rs. 10/Nut			17500	35000	52500	70000	87500	131250	140000	175000	192500	192500	210000									



Cashew (*Anacardium occidentale*)-Normal Density

Area - 1ha.		Density-200 plants		Spacing--7m X 7m		Labour @Rs.126/MD		Cost in Rupees							
Sl No	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7-30th year	
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>															
1	Tractor ploughing @ Rs.500/ hr.	5 hr	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500
2	Lay out & demarcation	3	378												
3	Digging of pits (0.6m x 0.6m x 0.6m)	16	2016	4	504	1	126								
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	6	756	2	252	1	126								
5	Planting followed by watering	8	1008	1	126	1	126								
6	Staking	4	504												
7	Irrigation (Need based)	64	8064	64	8064	8	1008	8	1008	8	1008	8	1008	8	1008
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	18	2268	21	2646	24	3024	27	3402	25	3150	20	2520	20	2520
9	Application of PP chemicals & Hormone	9	1134	12	1512	12	1512	15	1890	18	2268	21	2646	25	3150
10	Training & pruning	5	630	5	630	5	630	10	1260	10	1260	10	1260	10	1260
11	Harvesting, Post harvest handling					4	504	6	756	10	1260	18	2268	30	3780
<b>SUB TOTAL - A</b>			<b>19258</b>		<b>16234</b>		<b>9556</b>		<b>10816</b>		<b>11446</b>		<b>12202</b>		<b>14218</b>
<b>B. INPUTS</b>															
1	Planting material @ Rs.32.50 /graft	220nos.	7150	10 nos.	325	4 nos.	130								
2	Cost of manure @ Rs. 800 / MT	2 MT	1600	2 MT	1600	2 MT	1600	2 MT	1600	2 MT	1600	3 MT	2400	3 MT	2400
3	Fertilizers														
	N @ Rs.12.37 per Kg.	33 Kg.	408	66 Kg.	816	100 Kg.	1237	100 Kg.	1237	100 Kg.	1237	100 Kg.	1237	100 Kg.	1237
	P <sub>2</sub> O <sub>5</sub> @Rs.48.70 per Kg	8 Kg.	390	16 Kg.	779	25 Kg.	1218	25 Kg.	1218	25 Kg.	1218	25 Kg.	1218	25 Kg.	1218
	K <sub>2</sub> O @ Rs.27.00 per Kg	8 Kg.	216	16 Kg.	432	25 Kg.	675	25 Kg.	675	25 Kg.	675	25 Kg.	675	25 Kg.	675
4	Micronutrients		1000		1500		2000		2000		2000		2000		2500
5	Cost of PP chemicals & hormones		2000		1000		1000		1500		1750		2000		2500
6	Cost of staking material @Rs.3/		600		200										
7	Irrigation charges		4000		4000		2000		2000		2000		2000		2000
8	Mulching material		20000												
9	Fencing material		20000		5000		5000		5000		5000		5000		5000
<b>SUB TOTAL -B</b>			<b>57364</b>		<b>15652.6</b>		<b>14859.5</b>		<b>15230</b>		<b>10480</b>		<b>11530</b>		<b>12529.5</b>
	Miscellaneous / Contingency @10%		7678		3113		2484		2654		2174		2368		2652
<b>GRAND TOTAL</b>			<b>84300</b>		<b>35000</b>		<b>26900</b>		<b>28700</b>		<b>24100</b>		<b>26100</b>		<b>29400</b>
<b>Per plant (Rs.)</b>			<b>421</b>		<b>175</b>		<b>134</b>		<b>143</b>		<b>120</b>		<b>130</b>		<b>147</b>

Yield / Year —————>	4	5	6	7	8 to 30
Yield / Tree (Kg)	1	2	5	8	10
Yield/ Ha. (Kg)	200	400	1000	1600	2000
Income @ Rs.75 per Kg.	15000	30000	75000	120000	150000

Area - 1ha.		Density-200 plants		Spacing--7m X 7m		Labour @Rs.126/MD		Cost in Rupees							
Sl No	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7-30th year	
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
<b>A. LABOUR</b>															
1	Tractor ploughing @ Rs.500/ hr.	5 hr	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500
2	Lay out & demarcation	3	378												
3	Digging of pits (0.6m x 0.6m x 0.6m)	16	2016	4	504	1	126								
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	6	756	2	252	1	126								
5	Planting followed by watering	8	1008	1	126	1	126								
6	Staking	4	504												
7	Irrigation (Need based)	64	8064	64	8064	8	1008	8	1008	8	1008	8	1008	8	1008
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	18	2268	21	2646	24	3024	27	3402	25	3150	20	2520	20	2520
9	Application of PP chemicals & Hormone	9	1134	12	1512	12	1512	15	1890	18	2268	21	2646	25	3150
10	Training & pruning	5	630	5	630	5	630	10	1260	10	1260	10	1260	10	1260
11	Harvesting, Post harvest handling					4	504	6	756	10	1260	18	2268	30	3780
<b>SUB TOTAL - A</b>			<b>19258</b>		<b>16234</b>		<b>9556</b>		<b>10816</b>		<b>11446</b>		<b>12202</b>		<b>14218</b>
<b>B. INPUTS</b>															
1	Planting material @ Rs.32.50 /graft	220nos.	7150	10 nos.	325	4 nos.	130								
2	Cost of manure @ Rs. 800 / MT	2 MT	1600	2 MT	1600	2 MT	1600	2 MT	1600	2 MT	1600	3 MT	2400	3 MT	2400
3	Fertilizers														
	N @ Rs.12.37 per Kg.	33 Kg.	408	66 Kg.	816	100 Kg.	1237	100 Kg.	1237	100 Kg.	1237	100 Kg.	1237	100 Kg.	1237
	P <sub>2</sub> O <sub>5</sub> @Rs.48.70 per Kg	8 Kg.	390	16 Kg.	779	25 Kg.	1218	25 Kg.	1218	25 Kg.	1218	25 Kg.	1218	25 Kg.	1218
	K <sub>2</sub> O @ Rs.27.00 per Kg	8 Kg.	216	16 Kg.	432	25 Kg.	675	25 Kg.	675	25 Kg.	675	25 Kg.	675	25 Kg.	675
4	Micronutrients		1000		1500		2000		2000		2000		2000		2500
5	Cost of PP chemicals & hormones		2000		1000		1000		1500		1750		2000		2500
6	Cost of staking material @Rs.3/		600		200										
7	Irrigation charges		4000		4000		2000		2000		2000		2000		2000
8	Mulching material		20000												
9	Fencing material		20000		5000		5000		5000		5000		5000		5000
<b>SUB TOTAL -B</b>			<b>57364</b>		<b>15652.6</b>		<b>14859.5</b>		<b>15230</b>		<b>10480</b>		<b>11530</b>		<b>12529.5</b>
	Miscellaneous / Contingency @10%		7678		3113		2484		2654		2174		2368		2652
<b>GRAND TOTAL</b>			<b>84300</b>		<b>35000</b>		<b>26900</b>		<b>28700</b>		<b>24100</b>		<b>26100</b>		<b>29400</b>
<b>Per plant (Rs.)</b>			<b>421</b>		<b>175</b>		<b>134</b>		<b>143</b>		<b>120</b>		<b>130</b>		<b>147</b>

Yield / Year —————>	4	5	6	7	8 to 30
Yield / Tree (Kg)	1	2	5	8	10
Yield/ Ha. (Kg)	200	400	1000	1600	2000
Income @ Rs.75 per Kg.	15000	30000	75000	120000	150000

**Cashew (*Anacardium occidentale*)-Medium Density**

Area -1ha.      Density-400 plants      Spacing-5m X 5m

Sl No	Components of cost	1st year		2nd year		3rd year		4th year		5th year		6th year		7-30th year	
		Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)
1	Tractor ploughing @ Rs.500/ hr.	5 hr	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500	5 hrs	2500
2	Lay out & demarcation	4	504												
3	Digging of pits (0.6mx0.6mx0.6m)	32	4032	8	1008	1	126								
4	Filling of pits( carrying compost, mixing with soil & basal dose of fertiliser)	12	1512	4	504	1	126								
5	Planting followed by watering	8	1008	1	126	1	126								
6	Staking	8	1008												
7	Irrigation (Need based)	64	8064	64	8064	8	1008	8	1008	8	1008	8	1008	8	1008
8	Intercultural operation(hoeing, weeding, application of fertiliser & manure)	18	2268	21	2646	24	3024	27	3402	25	3150	20	2520	20	2520
9	Application of PP chemicals & Hormone	18	2268	24	3024	24	3024	25	3150	25	3150	25	3150	25	3150
10	Training & pruning	5	630	10	1260	10	1260	10	1260	10	1260	10	1260	12	1512
11	Harvesting, Post harvest handling					6	756	12	1512	20	2520	36	4536	60	7560
	<b>SUB TOTAL - A</b>		<b>23794</b>		<b>19132</b>		<b>11950</b>		<b>12832</b>		<b>13588</b>		<b>14974</b>		<b>18250</b>
	<b>B. INPUTS</b>														
1	Planting material @ Rs.32.50 /graft	440 nos.	14300	20 nos	650	8 nos.	260								
2	Cost of manure @ Rs. 800 / MT	4 MT	1600	4 MT	1600	4 MT	1600	4 MT	1600	4 MT	1600	4 MT	2400	4 MT	2400
3	Fertilizers														
	N @ Rs.12.37 per Kg.	66 Kg.	816	132 Kg.	1633	200 Kg.	2474	200 Kg.	2474	200 Kg.	2474	200 Kg.	2474	100 Kg.	1237
	P <sub>2</sub> O <sub>5</sub> @Rs.47.8 per Kg	16 Kg.	765	32 Kg.	1530	50 Kg.	2390	50 Kg.	2390	50 Kg.	2390	50 Kg.	2390	25 Kg.	1218
	K <sub>2</sub> O @ Rs.27.00 per Kg	16 Kg.	432	32 Kg.	864	50 Kg.	1350	50 Kg.	1350	50 Kg.	1350	50 Kg.	1350	25 Kg.	675
4	Micronutrients		1500		1500		2000		2000		2500		2500		3000
5	Cost of PP chemicals & hormones		4000		2000		2000		3000		3500		4000		5000
6	Cost of staking material @Rs.3/		1200		400										
7	Irrigation charges		6000		4000		3000		3000		3000		3000		4000
8	Mulching material		20000												
9	Fencing material		20000		5000		5000		5000						
	<b>SUB TOTAL -B</b>		<b>70613</b>		<b>19176.4</b>		<b>20074</b>		<b>20814</b>		<b>16814</b>		<b>18114</b>		<b>17529.5</b>
	Miscellaneous / Contingency @10%		9493		3892		3276		3354		3098		3312		3520
	<b>GRAND TOTAL</b>		<b>103900</b>		<b>42200</b>		<b>35300</b>		<b>37000</b>		<b>33500</b>		<b>36400</b>		<b>39300</b>
	Per plant (Rs.)		260		106		88		93		84		91		98

Yield / Year ----->	4	5	6	7	8 to 30
Yield / Tree (Kg)	1	2	5	8	10
Yield/ Ha. (Kg)	400	800	2000	2400	2000
Income @ Rs.70 per Kg.	28000	56000	140000	168000	140000



Adusa ( <i>Ajinhoda vasica</i> ) / Atisha ( <i>Aconite heterophyllum</i> ), Brahmi ( <i>Centella asiatica</i> / <i>Bacopa monnieri</i> ), Buch ( <i>Acorus calamus</i> ) / Bhrungaraj ( <i>Wadella cimensis</i> )																				
Area -1ha		Adusa / Vasaka			Atisha / Atibisha						Brahmi			Buch			Bhrungaraj			
		Density: 10000			Density: 50000			Spacing:45X10 cm			Density: 250000			Density: 112500			Density: 4000			
		Spacing:1 m X 1 m			1st Year			2nd Year			Spacing:20X20 cm			Spacing:30X30 cm			Spacing:2.5 m X 1 m			
Sl	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500				4	500	2000	5	500	2500	4	500	2000
2	Tractor for carrying	Hrs	3	500	1500				2	500	1000	2	500	1000	3	500	1500	2	500	1000
3	Bullock plough	Days	2	250	500	3	250	750				2	500	1000				3	250	750
4	Cleaning field and bunds / bed	MD	5	126	630	25	126	3150				5	126	630	5	126	630	5	126	630
5	Application of compost & basal fertilizer	MD	5	126	630	5	126	630				5	126	630	5	126	630	5	126	630
7	Planting, replanting, initial watering	MD	25	126	3150	25	126	3150				35	126	4410	40	126	5040	30	126	3780
8	Irrigation (Need based)	MD	10	126	1260	20	126	2520	15	126	1890	15	126	1890	30	126	3780	15	126	1890
9	Intercultural operation (hoeing, weeding, earthing up, etc)	MD	25	126	3150	45	126	5670	40	126	5040	50	126	6300	45	126	5670	50	126	6300
10	Application of fertilizer & micronutrients	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
11	Application of PP chemicals	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
12	Harvesting	MD	75	126	9450				50	126	6300	30	126	3780	35	126	4410	30	126	3780
13	Post harvest handling	MD	30	126	3780				25	126	3150	35	126	4410	55	126	6930	30	126	3780
<b>SUB TOTAL - A</b>		MD	<b>185</b>		<b>23310</b>	<b>130</b>		<b>16380</b>	<b>140</b>		<b>17640</b>	<b>185</b>		<b>23310</b>	<b>225</b>		<b>28350</b>	<b>175</b>		<b>22050</b>
<b>B. INPUTS</b>																				
1	Planting materials	Nos	11000	0.5	5500	50000	1	50000				3 Qtl	1000	3000	112500	0.6	67500	4000	1.5	6000
2	Manure / Compost	MT	10	800	8000	10	800	8000				10	800	8000	15	800	12000	20	800	16000
3	Fertilizers																			
	Nitrogen	Kg	50	12.37	619	50	12.37	619				40	12.37	495	30	12.37	371	100	12.37	1237
	Phosphorus	Kg	50	47.8	2390	50	47.8	2390				40	47.8	1912	50	47.8	2390	75	47.8	3585
	Potassium	Kg	50	27	1350	50	27	1350				30	27	810	60	27	1620	30	27	810
4	PP chemicals	Nos	2	600	1200	2	600	1200				2	600	1200	2	600	1200	5	600	3000
5	Staking materials / trellies	LS			10000			10000						10000			10000			10000
6	Irrigation charges	Hr	20	75	1500	20	75	1500	80	75	6000	15	75	1125	80	75	6000	15	75	1125
<b>SUB TOTAL - B</b>					<b>20559</b>			<b>75059</b>			<b>6000</b>			<b>16542</b>			<b>101081</b>			<b>41757</b>
Miscellaneous / Contingency @10%					4331			9161			2360			3948			12969			6393
<b>GRAND TOTAL</b>					<b>48200</b>			<b>100600</b>			<b>26000</b>			<b>43800</b>			<b>142400</b>			<b>70200</b>

Yield from root / tuber	Qtl	10								2.5										
Yield from leaves	Qtl	37.5																		
Yield from seeds	Qtl																			
Yield from whole plant	Qtl													100						300
Income from root / tuber	Rs.		3000	30000						125000	312500						3500	140000		
Income from leaves	Rs.		750	28125													1200	75000		
Income from seeds	Rs.																			
Income from whole plant	Rs.											750	75000						350	105000
Gross income (Rs.)	Rs.			58125				312500			75000							215000		105000
Net income (Rs.)	Rs.			9926			-100600	286500			31200							72600		34800

Coleus ( <i>Coleus fo</i> )	
Area -1ha	
Sl	Component
<b>A. LABOUR</b>	
1	Tractor plough
2	Tractor for car
3	Bullock plough
4	Cleaning field
5	Application of fertilizer
7	Planting, repla
	watering
8	Irrigation (Ne
	Intercultural c
9	weeding, ear
	Application o
10	micronutrient
11	Application o
12	Harvesting
13	Post harvest
<b>SUB</b>	
<b>B. INPUTS</b>	
1	Planting ma
2	Manure / Co
3	Fertilizers
	Nitrogen
	Phosphorus
	Potassium
4	PP chemica
5	Staking ma
6	Irrigation ch
<b>SU</b>	
Miscellane	

Yield from	
Yield from	
Yield from	
Yield from	
Income from	
Income from	
Income from	
Income from	
Gross inc	
Net incom	

Pungaraj		
Density: 4000		
Spacing: 2.5 m X 1 m		
Nos	Rate (Rs.)	Cost (Rs.)
4	500	2000
2	500	1000
3	250	750
5	126	630
5	126	630
0	126	3780
5	126	1890
0	126	6300
5	126	630
5	126	630
0	126	3780
0	126	3780
75		22050
00	1.5	6000
0	800	16000
00	12.37	1237
5	47.8	3585
0	27	810
5	600	3000
		10000
5	75	1125
		41757
		6393
		70200

Coleus ( <i>Coleus forskohlii</i> ), Guluchi / Giloi ( <i>Tinospora cordifolia</i> ), Chireita ( <i>Swertia chiraita</i> ), Henna / Mehndi ( <i>Lawsonia inermis</i> )																				
Area -1ha			Coleus			Guluchi / Giloi						Chireita			Henna / Mehndi					
			Density: 62500			Density: 1000			Spacing: 1 X 1 m			Density: 5000			Density: 12500			Spacing: 1 X 0.75 m		
Components of cost			Spacing: 50 X 30 cm			1st Year			2nd & 3rd Year			Spacing: 2 X 1 m			1st Year			2nd - 4th Year		
No	Unit		Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1	Hrs	Tractor ploughing	5	500	2500	5	500	2500				5	500	2500	5	500	2500	4	500	2000
2	Hrs	Tractor for carrying	3	500	1500	2	500	1000	2	500	1000	2	500	1000	2	500	1000	2	500	1000
3	Days	Bullock plough	3	250	750	3	250	750				3	500	1500	3	250	750	3	250	750
4	MD	Cleaning field and bunds / bed	5	126	630	5	126	630				40	126	5040	5	126	630			
5	MD	Application of compost & basal fertilizer	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
7	MD	Planting, replanting, initial watering	30	126	3780	20	126	2520				30	126	3780	20	126	2520			
8	MD	Irrigation (Need based)	50	126	6300	15	126	1890	15	126	1890	10	126	1260	15	126	1890	10	126	1260
9	MD	Intercultural operation (hoeing, weeding, earthing up, etc)	65	126	8190	40	126	5040	40	126	5040	25	126	3150	45	126	5670	45	126	5670
10	MD	Application of fertilizer & micronutrients	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
11	MD	Application of PP chemicals	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
12	MD	Harvesting	30	126	3780	20	126	2520	30	126	3780	30	126	3780	20	126	2520	30	126	3780
13	MD	Post harvest handling	30	126	3780	20	126	2520	30	126	3780	25	126	3150	20	126	2520	30	126	3780
	MD	<b>SUB TOTAL - A</b>	<b>225</b>		<b>28350</b>	<b>135</b>		<b>17010</b>	<b>130</b>		<b>16380</b>	<b>175</b>		<b>22050</b>	<b>140</b>		<b>17640</b>	<b>130</b>		<b>16380</b>
<b>B. INPUTS</b>																				
1	Nos	Planting materials	62500	0.25	15625	1000	5	5000				5000	2.5	7.5	12500	1.5	18750	4000	1.5	6000
2	MT	Manure / Compost	10	800	8000	20	800	16000	10	800	8000	10	800	8000	15	800	12000			
3		Fertilizers															18000			
	Kg	Nitrogen	25	12.37	309	60	12.37	742	60	12.37	742	50	12.37	619	50	12.37	619	50	12.37	619
	Kg	Phosphorus	60	47.8	2868	40	47.8	1912	40	47.8	1912	50	47.8	2390	25	47.8	1195	25	47.8	1195
	Kg	Potassium	50	27	1350	40	27	1080	40	27	1080	50	27	1350	30	27	810	30	27	810
4	Nos	PP chemicals	5	600	3000	3	600	1800	3	600	1800	2	600	1200	2	600	1200	2	600	1200
5	LS	Staking materials / trellies						10000			10000			10000						
6	Hr	Irrigation charges	50	75	3750	30	75	2250	30	75	2250	20	75	1500	30	75	2250	20	75	1500
		<b>SUB TOTAL - B</b>			<b>34902</b>			<b>38784</b>			<b>25784</b>			<b>25066</b>			<b>54824</b>			<b>11324</b>
		Miscellaneous / Contingency @10%			6348			5506			4236			4784			7236			2796
		<b>GRAND TOTAL</b>			<b>69600</b>			<b>61300</b>			<b>46400</b>			<b>51900</b>			<b>79700</b>			<b>30500</b>

Yield from root / tuber	Qtl	Dry root	25												Dry	15		Dry	20
Yield from leaves	Qtl																		
Yield from seeds	Qtl																		
Yield from whole plant	Qtl	Dry stem	7.5			Dry stem	15		Dry stem	20									
Income from root / tuber	Rs.		4500	112500															
Income from leaves	Rs.															3500	52500		3500 70000
Income from seeds	Rs.																		
Income from whole plant	Rs.		1500	11250		4000	60000		4000	80000		7500	93750						
Gross income (Rs.)	Rs.			123750			60000			80000			93750				52500		70000
Net income (Rs.)	Rs.			54150			-1300			33600			41850				-27200		39501

300
350
105000
105000
34800



Gheekuanri / Guarpatha / Korphad ( <i>Aloe vera</i> / <i>Aloe barbadensis</i> )															Jatmansi ( <i>Nardostychos jatmansi</i> )					
Area -1ha		Gheekuanri / Guarpatha / Korphad											Jatmansi							
		Density: 30000						Spacing: 60 cm X 45 cm					Density: 5000			Spacing: 2 mX 1 m				
Sl	Components of cost	Unit	1st Year			2nd Year			3rd Year			4th - 10th Year			1st Year			2nd Year		
No			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1	Tractor ploughing	Hrs	5	500	2500										5	500	2500			
2	Tractor for carrying	Hrs	2	500	1000	3	500	1500	4	500	2000	4	500	2000				2	500	1000
3	Bullock plough	Days	3	250	750										3	250	750			
4	Cleaning field and bunds / bed	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630			
5	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630			
7	Planting, replanting, initial watering	MD	30	126	3780										30	126	3780			
8	Irrigation (Need based)	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520
9	Intercultural operation (hoeing, weeding, earthing up, etc)	MD	70	126	8820	70	126	8820	70	126	8820	70	126	8820	70	126	8820	35	126	4410
10	Application of fertilizer & micronutrients	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260
11	Application of PP chemicals	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
12	Harvesting	MD	30	126	3780	40	126	5040	50	126	6300	50	126	6300				40	126	5040
13	Post harvest handling	MD	15	126	1890	20	126	2520	25	126	3150	25	126	3150				30	126	3780
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>190</b>		<b>23940</b>	<b>175</b>		<b>22050</b>	<b>190</b>		<b>23940</b>	<b>190</b>		<b>23940</b>	<b>145</b>		<b>18270</b>	<b>140</b>		<b>17640</b>
<b>B. INPUTS</b>																				
1	Planting materials	Nos	30000	2	60000										5500	3	16500			
2	Manure / Compost	MT	25	800	20000	15	800	12000	15	800	12000	10	800	8000	10	800	8000			
3	Fertilizers																18000			
	Nitrogen	Kg	50	12.37	619	50	12.37	619	50	12.37	619	50	12.37	619	60	12.37	742			
	Phosphorus	Kg	50	47.8	2390	50	47.8	2390	50	47.8	2390	50	47.8	2390	40	47.8	1912			
	Potassium	Kg	50	27	1350	50	27	1350	50	27	1350	50	27	1350	40	27	1080			
4	PP chemicals	Nos	2	600	1200	2	600	1200	2	600	1200	2	600	1200	3	600	1800	3	600	1800
5	Fencing / Staking material	LS			20000			10000			10000			10000			10000			
6	Irrigation charges	Hr	40	75	3000	40	75	3000	40	75	3000	40	75	3000	15	75	1125	15	75	1125
<b>SUB TOTAL - B</b>					<b>108559</b>			<b>30559</b>			<b>30559</b>			<b>16559</b>			<b>59159</b>			<b>2925</b>
Miscellaneous / Contingency @10%					13201			5291			5401			4001			7771			2035
<b>GRAND TOTAL</b>					<b>145700</b>			<b>57900</b>			<b>59900</b>			<b>44500</b>			<b>85200</b>			<b>22600</b>

Yield from root / tuber	Qtl																	Dry	20
Yield from leaves	Qtl	Green	100		Green	180		Green	300		Green	300							
Yield from seeds	Qtl																		
Yield from whole plant	Qtl																		
Income from root / tuber	Rs.																	9000	180000
Income from leaves	Rs.		500	50000		500	90000		500	150000		500	150000						
Income from seeds	Rs.																		
Income from whole plant	Rs.																		
Gross income (Rs.)	Rs.			50000		90000		150000		150000		150000		0					180000
Net income (Rs.)	Rs.			-95700		32101		90101		105501		105501		-85200					157400

nsi		
Spacing: 2 m X 1 m		
2nd Year		
Nos	Rate (Rs.)	Cost (Rs.)
2	500	1000
0	126	2520
5	126	4410
0	126	1260
	126	630
	126	5040
	126	3780
		<b>17640</b>
600	1800	
75	1125	
	<b>2925</b>	
	2035	
	<b>22600</b>	

20	
9000	180000
180000	
157400	

		Gudmar ( <i>Gymnema sylvestre</i> )									Jastimadhu / Liquorice / Mulethi ( <i>Glycyrriza glabra</i> )									
Area -1ha		Gudmar									Jastimadhu / Liquorice / Mulethi									
		Density: 10000						Spacing: 1 m X 1 m			Density: 25000			Spacing: 45 cm X 20 cm						
Sl No	Components of cost	Unit	1st Year			2nd Year			3rd Year			1st Year			2nd Year			2nd Year		
			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1	Tractor ploughing	Hrs	4	500	2000							5	500	2500						
2	Tractor for carrying	Hrs	2	500	1000	3	500	1500	3	500	1500				2	500	1000			
3	Cleaning field and bunds / bed	MD	5	126	630							5	126	630						
4	Pitting (0.5 X 0.5 X 0.5m), filling	MD	65	126	8190															
5	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	10	126	1260	10	126	1260	10	126	1260
6	Planting, replanting, initial watering	MD	20	126	2520							30	126	3780						
7	Irrigation (Need based)	MD	15	126	1890	15	126	1890	15	126	1890	20	126	2520	20	126	2520	20	126	2520
8	Intercultural operation (hoeing, weeding, staking, etc)	MD	55	126	6930	55	126	6930	55	126	6930	65	126	8190	50	126	6300	40	126	5040
9	Application of fertilizer & micronutrients	MD	5	126	630	5	126	630	5	126	630	10	126	1260	10	126	1260	30	126	3780
10	Application of PP chemicals	MD	5	126	630	5	126	630	5	126	630	10	126	1260	10	126	1260	10	126	1260
11	Harvesting	MD	15	126	1890	20	126	2520	40	126	5040							100	126	12600
12	Post harvest handling	MD	10	126	1260	20	126	2520	30	126	3780							40	126	5040
	<b>SUB TOTAL - A</b>	MD	<b>200</b>		<b>25200</b>	<b>125</b>		<b>15750</b>	<b>155</b>		<b>19530</b>	<b>150</b>		<b>18900</b>	<b>100</b>		<b>12600</b>	<b>250</b>		<b>31500</b>
<b>B. INPUTS</b>																				
1	Planting materials	Nos	10000	2	20000							25000	1	25000						
2	Manure / Compost	MT	20	800	16000	10	800	8000	10	800	8000	20	800	16000	20	800	16000	20	800	16000
<b>3 Fertilizers</b>																				
	Nitrogen	Kg	400	12.37	4948	50	12.37	619	50	12.37	619	40	12.37	495	40	12.37	495	40	12.37	495
	Phosphorus	Kg	200	47.8	9560	50	47.8	2390	50	47.8	2390	40	47.8	1912	40	47.8	1912	40	47.8	1912
	Potassium	Kg	150	27	4050	50	27	1350	50	27	1350	40	27	1080	40	27	1080	40	27	1080
4	PP chemicals	Nos	2	600	1200	2	600	1200	2	600	1200	5	600	3000	5	600	3000	5	600	3000
5	Fencing / Staking material	LS			30000			15000			15000									
6	Irrigation charges	Hr	30	75	2250	30	75	2250	30	75	2250	40	75	3000	40	75	3000	40	75	3000
	<b>SUB TOTAL - B</b>				<b>88008</b>			<b>30809</b>			<b>30809</b>			<b>50487</b>			<b>25487</b>			<b>25487</b>
	Miscellaneous / Contingency @10%				11392			4641			5061			6913			3813			5613
	<b>GRAND TOTAL</b>				<b>124600</b>			<b>51200</b>			<b>55400</b>			<b>76300</b>			<b>41900</b>			<b>62600</b>

Yield from root / tuber	Qtl			Dry	5													Dry	75
Yield from leaves	Qtl	Dry	12.5	Dry	25	Dry	50												
Yield from seeds	Qtl																		
Yield from whole plant	Qtl																		
Income from root / tuber	Rs.					5000	25000											5000	375000
Income from leaves	Rs.	3000	37500	3000	75000	3000	150000												
Income from seeds	Rs.																		
Income from whole plant	Rs.																		
Gross income (Rs.)	Rs.		37500		75000		175000				0		0						375000
Net income (Rs.)	Rs.		-87100		23801		119601				-76300		-41900						312400



Kutki ( <i>Pichrorhiza curua</i> )			Stevia ( <i>Stevia rebaudiana</i> )						Sarpagandha ( <i>Rauflia serpentina</i> )											
Area -1ha			Kutki			Stevia			Sarpagandha											
			Density: 5000			Spacing: 2 mX 1 m			Density: 75000			Spacing: 55X25 cm			Density: 10000			Spacing: 1 mX 1 m		
Sl	Components of cost		1st Year			2nd Year			1st Year			2nd -3rd Year			1st Year			2nd Year		
No	Unit		Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1	Hrs	Tractor ploughing	5	500	2500				5	500	2500				6	500	3000			
2	Hrs	Tractor for carrying				2	500	1000	2	500	1000	2	500	1000				2	500	1000
3	MD	Cleaning field and bunds / bed	5	126	630				5	126	630				5	126	630			
4	MD	Application of compost & basal fertilizer	5	126	630				5	126	630				5	126	630			
5	MD	Planting, replanting, initial watering	30	126	3780				30	126	3780				30	126	3780			
6	MD	Irrigation (Need based)	20	126	2520	20	126	2520	50	126	6300	50	126	6300	10	126	1260	10	126	1260
7	MD	Intercultural operation (hoeing, weeding, earthing up, etc)	70	126	8820	35	126	4410	95	126	11970	95	126	11970	45	126	5670	45	126	5670
8	MD	Application of fertilizer & micronutrients	10	126	1260	10	126	1260	10	126	1260	10	126	1260	5	126	630	5	126	630
9	MD	Application of PP chemicals	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
10		Pruning										10	126	1260						
11	MD	Harvesting				40	126	5040	250	126	31500	350	126	44100	25	126	3150	50	126	6300
12	MD	Post harvest handling				30	126	3780	50	126	6300	50	126	6300	20	126	2520	30	126	3780
	<b>MD</b>	<b>SUB TOTAL - A</b>	<b>145</b>		<b>18270</b>	<b>140</b>		<b>17640</b>	<b>500</b>		<b>63000</b>	<b>570</b>		<b>71820</b>	<b>150</b>		<b>18900</b>	<b>145</b>		<b>18270</b>
<b>B. INPUTS</b>																				
1	Nos	Planting materials	5500	3	16500				75000	10	750000				10000	2	20000			
2	MT	Manure / Compost	10	800	8000				15	800	12000	10	800	8000	10	800	8000			
3		Fertilizers			18000															
	Kg	Nitrogen	60	12.37	742				275	12.37	3402	275	12.37	3402	125	12.37	1546			
	Kg	Phosphorus	40	47.8	1912				112.5	47.8	5377.5	112.5	47.8	5377.5	50	47.8	2390			
	Kg	Potassium	40	27	1080				112.5	27	3037.5	112.5	27	3037.5	75	27	2025			
4	Nos	PP chemicals	3	600	1800	3	600	1800	5	600	3000	5	600	3000	2	600	1200	2	600	1200
5	LS	Fencing / Staking material			10000												10000			
6	Hr	Irrigation charges	15	75	1125	15	75	1125	160	75	12000	160	75	12000	40	75	3000	20	75	1500
		<b>SUB TOTAL - B</b>			<b>59159</b>			<b>2925</b>			<b>788817</b>			<b>34817</b>			<b>48161</b>			<b>2700</b>
		Miscellaneous / Contingency @10%			7771			2035			85183			10663			6739			2030
		<b>GRAND TOTAL</b>			<b>85200</b>			<b>22600</b>			<b>937000</b>			<b>117300</b>			<b>73800</b>			<b>23000</b>

Yield from root / tuber	Qtl		Dry	15														Dry	20	
Yield from leaves	Qtl								Dry	50										
Yield from seeds	Qtl																			
Yield from whole plant	Qtl																			
Income from root / tuber	Rs.					9000	135000												7000	140000
Income from leaves	Rs.								15000	750000				15000	937500					
Income from seeds	Rs.															600	22500			
Income from whole plant	Rs.																			
Gross income (Rs.)	Rs.				0		135000			750000				937500			22500			140000
Net income (Rs.)	Rs.				-85200		112400			-187000				820200			-51300			117000

Area -1ha		Sl	Components of cost
<b>A. LABOUR</b>			
1	Hrs	Tractor ploughing	
2	Hrs	Cleaning field and bunds / bed	
3	MD	Pitting & Application of compost & basal fertilizer	
4	MD	Application of compost & basal fertilizer	
5	MD	Planting, replanting, initial watering	
6	MD	Irrigation (Need based)	
7	MD	Intercultural operation (hoeing, weeding, earthing up, etc)	
8	MD	Application of fertilizer & micronutrients	
9	MD	Application of PP chemicals	
10		Pruning	
12	MD	Harvesting	
	MD	Post harvest handling	
<b>B. INPUTS</b>			
1	Nos	Planting materials	
2	MT	Manure / Compost	
3		Fertilizers	
	Kg	Nitrogen	
	Kg	Phosphorus	
	Kg	Potassium	
4	Nos	PP chemicals	
5	LS	Fencing / Staking material	
6	Hr	Irrigation charges	
<b>Miscellaneous / Contingency @10%</b>			

Yield from root / tuber	Qtl		Dry	20
Yield from leaves	Qtl			
Yield from seeds	Qtl			
Yield from whole plant	Qtl			
Income from root / tuber	Rs.			
Income from leaves	Rs.			
Income from seeds	Rs.			
Income from whole plant	Rs.			
Gross income (Rs.)	Rs.			
Net income (Rs.)	Rs.			

g m m
0 ear
ate Cost
(s.) (Rs.)
00 1000
26 1260
26 5670
6 630
6 630
6 6300
6 3780
18270
1200
1500
2700
2030
23000
20
140000
140000
117000

Jajoba ( <i>Simmondsia chinensis</i> )																	
Area -1ha			Jajoba														
Sl No	Components of cost	Unit	Density: 2500						Spacing: 4 m X 4 m			Male: Female:: 1:9					
			1st Year			2nd Year			3rd Year			4th Year			5th - 25th Year		
			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																	
1	Tractor ploughing	Hrs	5	500	2500												
2	Cleaning field and bunds	MD	5	126	630												
3	Pitting & filling	MD	130	126	16380	5	126	630	5	126	630	5	126	630	5	126	630
4	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
5	Planting and initial watering	MD	30	126	3780												
6	Irrigation (Need based)	MD	15	126	1890	15	126	1890	20	126	2520	20	126	2520	20	126	2520
7	Intercultural operation (hoeing, weeding, pruning, etc)	MD	45	126	5670	25	126	3150	50	126	6300	65	126	8190	65	126	8190
8	Application of fertilizer & micronutrients	MD	5	126	630	10	126	1260	10	126	1260	10	126	1260	10	126	1260
9	Application of PP chemicals	MD	5	126	630	5	126	630	10	126	1260	10	126	1260	10	126	1260
10	Harvesting	MD							10	126	1260	20	126	2520	80	126	10080
12	Post harvest handling	MD							5	126	630	10	126	1260	20	126	2520
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>240</b>		<b>30240</b>	<b>65</b>		<b>8190</b>	<b>115</b>		<b>14490</b>	<b>145</b>		<b>18270</b>	<b>215</b>		<b>27090</b>
<b>B. INPUTS</b>																	
1	Planting materials	Nos	2500	20	50000												
2	Manure / Compost	MT	20	800	16000	20	800	16000	25	800	20000	25	800	20000	25	800	20000
3	Fertilizers																
	Nitrogen	Kg	50	12.37	619	50	12.37	619	50	12.37	619	50	12.37	619	50	12.37	619
	Phosphorus	Kg	50	47.8	2390	50	47.8	2390	50	47.8	2390	50	47.8	2390	50	47.8	2390
	Potassium	Kg	50	27	1350	50	27	1350	50	27	1350	50	27	1350	50	27	1350
4	PP chemicals	Nos	3	600	1800	3	600	1800	3	600	1800	3	600	1800	3	600	1800
5	Fencing / Staking material	LS			20000			10000			10000			10000			1800
6	Irrigation charges	Hr	25	75	1875	25	75	1875	35	75	2625	35	75	2625	35	75	2625
	<b>SUB TOTAL - B</b>				<b>94034</b>			<b>34034</b>			<b>38784</b>			<b>28784</b>			<b>28784</b>
	Miscellaneous / Contingency @10%				12426			4276			5326			4746			5526
	<b>GRAND TOTAL</b>				<b>136700</b>			<b>46500</b>			<b>58600</b>			<b>51800</b>			<b>61400</b>
	Yield from root / tuber	Qtl															
	Yield from leaves	Qtl															
	Yield from seeds	Qtl								0.45				1			12.5
	Yield from whole plant	Qtl															
	Income from root / tuber	Rs.															
	Income from leaves	Rs.															
	Income from seeds	Rs.							10000	4500		10000	10000		10000	125000	
	Income from whole plant	Rs.															
	Gross income (Rs.)	Rs.			0			0		4500			10000				125000
	Net income (Rs.)	Rs.			-136700			-46500		-54100			-41800				63601



Pippali ( <i>Piper longum</i> )			Chireita ( <i>Swertia chiraita</i> )									Satawar ( <i>Asparagus racemosus</i> )								
Area -1ha			Pippali									Chireita			Satawar					
SI	Components of cost	Unit	Density: 40000			Spacing: 50 cm X 50 cm						Density: 5000			Density: 27000			Spacing: 60X 60 cm		
			1st Year			2nd -4th Year			5th Year			Spacing: 2 X 1 m			1st Year			2nd Year		
No	A. LABOUR		Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
1	Tractor ploughing	Hrs	5	500	2500							5	500	2500	5	500	2500	5	500	2500
2	Tractor for carrying	Hrs	3	500	1500	3	500	1500	2	500	1000	2	500	1000				3	500	1500
4	Cleaning field and bunds	MD	5	126	630							40	126	5040	5	126	630			
5	Application of compost & basal fertilizer	MD	10	126	1260	5	126	630	5	126	630	5	126	630	10	126	1260	10	126	1260
7	Planting, replanting, initial watering	MD	60	126	7560							30	126	3780	30	126	3780			
	Staking / propping		50	126	6300	50	126	6300	50	126	6300				20	126	2520			
8	Irrigation (Need based)	MD	50	126	6300	50	126	6300	50	126	6300	10	126	1260	20	126	2520	20	126	2520
9	Intercultural operation (hoeing, weeding, earthing up, etc)	MD	50	126	6300	50	126	6300	50	126	6300	25	126	3150	45	126	5670	20	126	2520
10	Application of fertilizer & micronutrients	MD	10	126	1260	10	126	1260	10	126	1260	5	126	630	10	126	1260			
11	Application of PP chemicals	MD	10	126	1260	15	126	1890	15	126	1890	5	126	630	10	126	1260	10	126	1260
12	Harvesting	MD	80	126	10080	100	126	12600	130	126	16380	30	126	3780				90	126	11340
13	Post harvest handling	MD	30	126	3780	30	126	3780	40	126	5040	25	126	3150				100	126	12600
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>355</b>		<b>44730</b>	<b>310</b>		<b>39060</b>	<b>350</b>		<b>44100</b>	<b>175</b>		<b>22050</b>	<b>150</b>		<b>18900</b>	<b>250</b>		<b>31500</b>
	<b>B. INPUTS</b>																			
1	Planting materials	Nos	40000	1	40000							5000	2.5	7.5	12500	2	25000			
2	Manure / Compost	MT	30	800	24000	20	800	16000	20	800	16000	10	800	8000	25	800	20000			
3	Fertilizers																			
	Nitrogen	Kg	80	12.37	990	80	12.37	990	80	12.37	990	50	12.37	619	60	12.37	742			
	Phosphorus	Kg	60	47.8	2868	60	47.8	2868	60	47.8	2868	50	47.8	2390	40	47.8	1912			
	Potassium	Kg	30	27	810	30	27	810	30	27	810	50	27	1350	40	27	1080			
4	PP chemicals	Nos	5	600	3000	5	600	3000	5	600	3000	2	600	1200	2	600	1200	2	600	1200
5	Staking materials / trellies	LS			20000			10000			10000			10000			10000			5000
6	Irrigation charges	Hr	80	75	6000	80	75	6000	80	75	6000	20	75	1500	30	75	2250	30	75	2250
	<b>SUB TOTAL - B</b>				<b>97668</b>			<b>39668</b>			<b>39668</b>			<b>25066</b>			<b>62184</b>			<b>8450</b>
	Miscellaneous / Contingency @10%				14202			7872			8332			4784			8116			3950
	<b>GRAND TOTAL</b>				<b>156600</b>			<b>86600</b>			<b>92100</b>			<b>51900</b>			<b>89200</b>			<b>43900</b>

Yield from root / tuber	Qtl				Dry root	2.5												Dry	90	
Yield from leaves	Qtl																			
Yield from seeds	Qtl	Dry seed	12.5		Dry seed	15														
Yield from whole plant	Qtl													12.5						
Income from root / tuber	Rs.								15000	37500										
Income from leaves	Rs.																			
Income from seeds	Rs.		12000	150000		12000	180000		12000	180000										
Income from whole plant	Rs.											7500	93750							
Gross income (Rs.)	Rs.			150000			180000			217500			93750		0					270000
Net income (Rs.)	Rs.			-6600			93400			125400			41850		-89200					226100

Panchaangulia / Kalihari ( <i>Gloriosa superba</i> ) Safed Musli ( <i>Chlorophytum borivalanum</i> ) Black turmeric ( <i>Curcuma clasealonga</i> ) Tulsi ( <i>Ocimum sanctum</i> )																				
Area -1ha		Panchaangulia / Kalihari									Black turmeric			Tulsi						
		Density: 37000			Spacing: 60 cm X 45 cm						Density: 18500			Density: 62500			Spacing: 40X40 cm			
Sl	Components of cost	Unit	1st Year			2nd -4th Year			5th Year			Spacing:90X60cm			1st Year			2nd - 3rd Year		
No	A. LABOUR		Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
1	Tractor ploughing	Hrs	5	500	2500							6	500	3000	5	500	2500			
2	Tractor for carrying	Hrs	1	500	500	1	500	500	2	500	1000	3	500	1500	2	500	1000	2	500	1000
3	Cleaning field and bunds, ridge	MD	5	126	630							90	126	11340	5	126	630			
4	Application of compost & basal fertilizer	MD	10	126	1260	5	126	630	5	126	630	10	126	1260	5	126	630	5	126	630
5	Planting, replanting, initial watering	MD	60	126	7560							100	126	12600	30	126	3780			
6	Staking / propping	MD	50	126	6300	50	126	6300	50	126	6300									
7	Green manuring & Mulching	MD										40	126	5040						
8	Irrigation (Need based)	MD	50	126	6300	50	126	6300	50	126	6300	30	126	3780	20	126	2520	20	126	2520
9	Intercultural operation (hoeing, weeding, earthing up, etc)	MD	50	126	6300	50	126	6300	50	126	6300	105	126	13230	45	126	5670	45	126	5670
10	Application of fertilizer & micronutrients	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	5	126	630	5	126	630
11	Application of PP chemicals	MD	10	126	1260	15	126	1890	15	126	1890	15	126	1890	5	126	630	5	126	630
12	Harvesting	MD	20	126	2520	45	126	5670	75	126	9450	100	126	12600	60	126	7560	70	126	8820
13	Post harvest handling	MD	20	126	2520	25	126	3150	40	126	5040	150	126	18900	25	126	3150	25	126	3150
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>285</b>		<b>35910</b>	<b>250</b>		<b>31500</b>	<b>295</b>		<b>37170</b>	<b>650</b>		<b>81900</b>	<b>200</b>		<b>25200</b>	<b>175</b>		<b>22050</b>
	<b>B. INPUTS</b>																			
1	Planting materials	Qtl	20.6	15000	309000							10	50000	500000	62500	0.25	15625			
2	Manure / Compost	MT	12.5	800	10000	13	800	10000	13	800	10000	15	800	12000	20	800	16000	10	800	8000
3	Oil cake	Qtl										10	1800	18000						
4	Fertilizers																			
	Nitrogen	Kg	125	12.37	1546	80	12.37	990	80	12.37	990				90	12.37	1113	90	12.37	1113
	Phosphorus	Kg	50	47.8	2390	60	47.8	2868	60	47.8	2868				60	47.8	2868	60	47.8	2868
	Potassium	Kg	75	27	2025	30	27	810	30	27	810				60	27	1620	60	27	1620
5	PP chemicals	Nos	2	600	1200	2	600	1200	2	600	1200	6	600	3600	5	600	3000	5	600	3000
6	Staking / mulch materials	LS			20000			10000			10000			10000						
7	Irrigation charges	Hr	20	75	1500	20	75	1500	20	75	1500	25	75	1875	40	75	3000	40	75	3000
	<b>SUB TOTAL - B</b>				<b>347661</b>			<b>27368</b>			<b>27368</b>			<b>545475</b>			<b>43226</b>			<b>19601</b>
	Miscellaneous / Contingency @10%				38329			5832			6462			62725			6874			4149
	<b>GRAND TOTAL</b>				<b>421900</b>			<b>64700</b>			<b>71000</b>			<b>690100</b>			<b>75300</b>			<b>45800</b>

Yield from root / tuber / corm	Qtl				Dry corm	75	Raw	150								
Yield from leaves	Qtl											Dry	37.5	Dry	50	
Yield from seeds	Qtl	Dry		3.75	Dry		6	Dry		8						
Income from root / tuber	Rs.					4000	300000			10000	1500000					
Income from leaves	Rs.											2500	93750	2500	125000	
Income from seeds	Rs.		50000	187500		50000	300000		50000	400000						
Gross income (Rs.)	Rs.			187500			300000			700000			1500000		93750	125000
Net income (Rs.)	Rs.			-234400			235300			629000			809900		18450	79200



Aswagandha(*Withania somnifera*),Cowhage(*Mucuna spp*),Kevenelly(*Phyllanthus amarus*),Kalmegh(*Andrographis peniculata*),Chandrshoot(*Lepidium sativum*) Isabgul (*Plantago ovata*)

Area -1ha		Aswagandha			Baidanka/Cowhage			Bhui amla/Kevenelly			Bhuin neem/Kalmegh			Chandrshoot			Isabgul			
		Density: 500000			Density: 30000			Density: 600000			Density: 600000			Density:			Density: 200000			
		Spacing:25 X 7.5 cm			Spacing:60X45 cm			Spacing:15X7.5-10cm			Spacing:15X7.5-10cm			Spacing:			Spacing:30 X15 cm			
Sl	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1	Tractor ploughing	Hrs	5	500	2500	5	500	2500	3	500	1500	3	500	1500	5	500	2500	5	500	2500
2	Tractor for carrying	Hrs	2	500	1000	2	500	1000	2	500	1000	2	500	1000	2	500	1000	2	500	1000
3	Bullock plough for sowing	Days	3	250	750	3	250	750							3	250	750	3	250	750
4	Cleaning field and bunds	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
5	Application of compost & basal fertilizer	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
7	Seed treatment, sowing, initial watering	MD	10	126	1260	5	126	630	5	126	630	5	126	630	10	126	1260	10	126	1260
8	Irrigation (Need based)	MD	10	126	1260	5	126	630	15	126	1890	15	126	1890	15	126	1890	15	126	1890
9	Intercultural operation (hoeing, weeding, earthing up, etc)	MD	50	126	6300	45	126	5670	55	126	6930	55	126	6930	25	126	3150	45	126	5670
10	Application of fertilizer & micronutrients	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
11	Application of PP chemicals	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
12	Harvesting	MD	75	126	9450	50	126	6300	30	126	3780	30	126	3780	35	126	4410	30	126	3780
13	Post harvest handling	MD	35	126	4410	25	126	3150	25	126	3150	25	126	3150	20	126	2520	30	126	3780
<b>SUB TOTAL - A</b>		<b>MD</b>	<b>200</b>		<b>25200</b>	<b>150</b>		<b>18900</b>	<b>150</b>		<b>18900</b>	<b>150</b>		<b>18900</b>	<b>125</b>		<b>15750</b>	<b>150</b>		<b>18900</b>
<b>B. INPUTS</b>																				
1	Seed	Kg	10	100	1000	5	100	500	1	1250	1250	1	1500	1500	5	100	500	3	150	450
2	Seed treatment chemical @3g/K	g	30	0.8	24	15	0.8	12	3	0.8	2.4	3	0.8	2.4	15	0.8	12	9	0.8	7.2
3	Manure / Compost	MT	5	800	4000	10	800	8000	10	800	8000	12.5	800	10000	10	800	8000	10	800	8000
4	Fertilizers																			
	Nitrogen	Kg	40	12.37	495	50	12.37	619	60	12.37	742	30	12.37	371	40	12.37	495	50	12.37	619
	Phosphorus	Kg	40	47.8	1912	80	47.8	3824	40	47.8	1912	30	47.8	1434	40	47.8	1912	25	47.8	1195
	Potassium	Kg	40	27	1080	40	27	1080	40	27	1080	30	27	810	40	27	1080	30	27	810
5	PP chemicals	Nos	2	600	1200	2	600	1200	3	600	1800	3	600	1800	2	600	1200	3	600	1800
6	Staking materials / trellies	LS															10000			
7	Irrigation charges	Hr	20	75	1500	15	75	1125	15	75	1125	10	75	750	30	75	2250	30	75	2250
<b>SUB TOTAL - B</b>					<b>11211</b>			<b>16360</b>			<b>15912</b>			<b>16668</b>			<b>25449</b>			<b>15131</b>
Miscellaneous / Contingency @10%					3689			3540			3488			3532			4101			3469
<b>GRAND TOTAL</b>					<b>40100</b>			<b>38800</b>			<b>38300</b>			<b>39100</b>			<b>45300</b>			<b>37500</b>

Yield from root / tuber	Qtl	7.5	5		
Yield from leaves	Qtl				
Yield from seeds	Qtl	0.75	15		
Yield from whole plant	Qtl			20	37.5
Income from root / tuber	Rs.	9000	67500	3500	17500
Income from leaves	Rs.				
Income from seeds	Rs.	6000	4500	4000	60000
Income from whole plant	Rs.			3000	60000
Gross income (Rs.)	Rs.		72000		77500
Net income (Rs.)	Rs.		31900		38701
					21700
					26526
					62500
					67500
					30000

Area -1ha	
Sl	Co
<b>A. LABOUR</b>	
1	Tractor pl
2	Tractor fo
3	Cleaning
4	Nursery r
5	Applicatio
	fertilizer
6	Planting,
7	Irrigation
8	Intercultu
	weeding,
9	Applicatio
	micronutr
10	Applicatio
11	Harvestin
12	Post han
<b>B. INPU</b>	
1	Seed
2	Seed trea
3	Manure
4	Fertilizer
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	Phospho
	Potassiu
5	PP chem
6	Staking
7	Irrigation
	Miscella

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 3469  
 37500

Sunamukhi / Senna ( <i>Cassia angustifolia</i> )			Datura ( <i>Datura metal</i> )			Makoy ( <i>Solanum nigrum</i> )			Sadabahar ( <i>Catharanthus roseus</i> )								
Area -1ha			Sunamukhi / Senna			Datura			Macoy			Sadabahar					
			Density: 100000			Spacing:30X30 cm			Density: 4000			Density: 50000			Density: 100000		
Sl No	Components of cost	Unit	1st Year			2nd -5th Year			Spacing:2.5 m X1 m			Spacing:45X45 cm			Spacing:30X30 cm		
			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
1	Tractor ploughing	Hrs	5	500	2500				5	500	2500	5	500	2500	5	500	2500
2	Tractor for carrying	Hrs	2	500	1000	2	500	1000	2	500	1000	2	500	1000	2	500	1000
3	Cleaning field and bunds	MD	5	126	630				5	126	630	5	126	630	5	126	630
4	Nursery raising & maintenance	MD							5	126	630	10	126	1260	10	126	1260
5	Application of compost & basal fertilizer	MD	5	126	630				5	126	630	10	126	1260	10	126	1260
6	Planting, replanting & watering	MD	15	126	1890				30	126	3780	30	126	3780	30	126	3780
7	Irrigation (Need based)	MD	10	126	1260	10	126	1260	15	126	1890	15	126	1890	15	126	1890
8	Intercultural operation (hoeing, weeding, earthing up, etc)	MD	45	126	5670	20	126	2520	25	126	3150	45	126	5670	40	126	5040
9	Application of fertilizer & micronutrients	MD	10	126	1260	30	126	3780	5	126	630				5	126	630
10	Application of PP chemicals	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
11	Harvesting	MD	25	126	3150	30	126	3780	35	126	4410	30	126	3780	30	126	3780
12	Post harvest handling	MD	25	126	3150	25	126	3150	25	126	3150	30	126	3780	30	126	3780
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>145</b>		<b>18270</b>	<b>120</b>		<b>15120</b>	<b>155</b>		<b>19530</b>	<b>180</b>		<b>22680</b>	<b>180</b>		<b>22680</b>
	<b>B. INPUTS</b>																
1	Seed	Kg	10	400	4000				5	250	1250	1.25	1500	1875	1	300	300
2	Seed treatment chemical @3g/Kg	g	30	0.8	24				15	0.8	12	3.75	0.8	3	3	0.8	2.4
3	Manure / Compost	MT	10	800	8000	5	800	4000	10	800	8000	10	800	8000	10	800	8000
4	Fertilizers																
	Nitrogen	Kg	40	12.37	495	40	12.37	495	50	12.37	619	80	12.37	990	80	12.37	990
	Phosphorus	Kg	40	47.8	1912	40	47.8	1912	40	47.8	1912	60	47.8	2868	40	47.8	1912
	Potassium	Kg	20	27	540	20	27	540	40	27	1080	40	27	1080	40	27	1080
5	PP chemicals	Nos	2	600	1200	2	600	1200	3	600	1800	2	600	1200	2	600	1200
6	Staking materials / trellies	LS															
7	Irrigation charges	Hr	20	75	1500	20	75	1500	30	75	2250	30	75	2250	48	75	3600
	<b>SUB TOTAL - B</b>				<b>17671</b>			<b>9647</b>			<b>16923</b>			<b>18266</b>			<b>17084</b>
	Miscellaneous / Contingency @10%				3559			2433			3647			4054			3936
	<b>GRAND TOTAL</b>				<b>39500</b>			<b>27200</b>			<b>40100</b>			<b>45000</b>			<b>43700</b>

15  
 67500  
 67500  
 30000

Yield from root / tuber	Qtl														Root	15
Yield from leaves	Qtl	Dry leaf	8		10					25				Leaf	25	
Yield from seeds	Qtl	Dry pod	2		2.5					10						
Yield from whole plant	Qtl													Stem	15	
Income from root / tuber	Rs.														2000	30000
Income from leaves	Rs.	Leaf	4000	32000	4000	40000			1500	37500					1500	37500
Income from seeds	Rs.	Pod	5000	10000	5000	12500			4000	40000						
Income from whole plant	Rs.											2000	75000		1500	22500
Gross income (Rs.)	Rs.			42000		52500				77500			75000			90000
Net income (Rs.)	Rs.			2500		25300				37401			30000			46300



**Bixa / Sinduri (*Bixa orallana*)**

Area -1ha		Bixa / Sinduri																		
		Density: 1250						Spacing: 2.7 m X 2.7 m												
Sl	Components of cost	Unit	1st Year			2nd Year			3rd Year			4th Year			5th Year			6th - 10th Year		
No			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
<b>A. LABOUR</b>																				
1	Tractor ploughing	Hrs	5	500	2500															
2	Cleaning field and bunds	MD	5	126	630															
3	Pitting & filling	MD	85	126	10710															
4	Application of compost & basal fertilizer	MD	10	126	1260															
5	Planting and initial watering	MD	15	126	1890															
6	Irrigation (Need based)	MD	50	126	6300	25	126	3150	25	126	3150	25	126	3150	25	126	3150	25	126	3150
7	Intercultural operation (hoeing, weeding, staking, etc)	MD	45	126	5670	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780
8	Pruning	MD							25	126	3150	40	126	5040	40	126	5040	40	126	5040
9	Application of fertilizer & micronutrients	MD	5	126	630	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890
10	Application of PP chemicals	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
11	Harvesting	MD							50	126	6300	75	126	9450	100	126	12600	120	126	15120
12	Post harvest handling	MD							30	126	3780	40	126	5040	50	126	6300	60	126	7560
	<b>SUB TOTAL - A</b>	<b>MD</b>	<b>220</b>		<b>27720</b>	<b>75</b>		<b>9450</b>	<b>180</b>		<b>22680</b>	<b>230</b>		<b>28980</b>	<b>265</b>		<b>33390</b>	<b>295</b>		<b>37170</b>
<b>B. INPUTS</b>																				
1	Planting materials	Nos	1250	30	37500															
2	Manure / Compost	MT	15	800	12000	20	800	16000	20	800	16000	20	800	16000	20	800	16000	20	800	16000
3	Fertilizers																			
	Nitrogen	Kg	50	12.4	619	50	12.4	619	50	12.37	619	50	12.37	619	50	12.37	619	50	12.37	619
	Phosphorus	Kg	50	47.8	2390	50	47.8	2390	50	47.8	2390	50	47.8	2390	50	47.8	2390	50	47.8	2390
	Potassium	Kg	50	27	1350	50	27	1350	50	27	1350	50	27	1350	50	27	1350	50	27	1350
4	PP chemicals	Nos	2	600	1200	2	600	1200	2	600	1200	2	600	1200	2	600	1200	2	600	1200
5	Staking materials	Nos	1250	3	3750															
6	Fencing material	Nos			20000			5000			5000			5000			5000			5000
7	Irrigation charges	Hr	50	75	3750	25	75	1875	25	75	1875	25	75	1875	25	75	1875	25	75	1875
	<b>SUB TOTAL - B</b>				<b>82559</b>			<b>28434</b>			<b>28434</b>			<b>28434</b>			<b>23434</b>			<b>23434</b>
	Miscellaneous / Contingency @10%				11021			3716			5186			5786			5676			6096
	<b>GRAND TOTAL</b>				<b>121300</b>			<b>41600</b>			<b>56300</b>			<b>63200</b>			<b>62500</b>			<b>66700</b>

Yield / Year ----->		1	2	3	4	5	6--10
Kg per plant	Kg			1	2	3	4
Kg per Ha.	Kg			1250	2500	3750	5000
Income @ Rs. 40 per Kg	Rs.			50000	100000	150000	200000
Net income	Rs.	-121300	-41600	-6300	36801	87501	133301

10th Year	
Date (Rs.)	Cost (Rs.)
26	3150
26	3780
26	5040
26	1890
26	630
26	15120
26	7560
	<b>37170</b>
00	16000
2.37	619
7.8	2390
27	1350
00	1200
75	1875
	<b>23434</b>
	6096
	<b>66700</b>
6-10	
4	
5000	
200000	
133301	

Papaya seedling			Drumstick seedling											
10000 nos			Papaya						Drumstick seedling					
Sl. No	Components of cost	Unit	Hybrid			Dioecious		Gynodioecious			Nos	Rate (Rs.)	Cost (Rs.)	
			No.	Rate (Rs.)	Cost (Rs.)	No.	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)				Cost (Rs.)
1	Seeds	Kg	0.2	270000	60750	3000	3000	1	10000	10000	5	2000	10000	
2	Seed bed preparation													
	Compost	Cft		12	240	20	240	20	12	240				
	Chloropyriphos @5ml/cft	Litre	0.25	280	70	0.25	280	70	0.25	280	70			
	Seed & bed treatment chemicals	g	200	0.6	120	200	0.6	120	200	0.6	120	10	0.8	8
	Nursery bed disinfection with formalin (40%) (Need based)	LS			300									
	Bed preparation, sowing seeds & mulching	MD		126	378		126	378	3	126	378			
	Watering for 45 days	MD		126	630		126	630	5	126	630			
	Paddy straw for mulching	Bundle		1.25	62.5		1.25	62.5	50	1.25	62.5			
3	Potting of seedling (10200 nos. in succession)													
	Garden soil	Cft	300	8	2400	300	8	2400	300	8	2400	550	8	4400
	Compost	Cft	5	12	900	150	12	1800	150	12	1800	275	12	3300
	Chloropyriphos @5ml/cft	Litre	2.5	280	630	2.5	280	630	2.25	280	630	4.2	280	1176
	Diammonium Phosphate	Kg	5	25.6	1152	5	25.6	1152	45	25.6	1152	81	25.6	2074
	Polythene bag (4"x6" x 150 gauge)-Papaya (5"x7" x 200 gauge)-Drumstick	Kg	11.5	138	1587	11.5	138	1587	11.5	138	1587	22.3	138	3077
	Preparation of pot mixture, filling polythene bag & transplanting seedling in poly bags	MD		126	3780		126	3780	30	126	3780	40	126	5040
	Provision for shade (need based)	LS			300			300			500			
4	Plant Protection													
	Plant protection chemicals	Litre	4	625	2500	2	625	2000	0.8	625	500	2.4	625	1500
	Application charges	MD	2	126	252	2	126	252	2	126	252	3	126	378
5	Maintenance (1-2 months)													
	Weeding	MD	5	126	630	5	126	630	5	126	630	5	126	630
	Irrigation	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260
	Irrigation charges	LS			750			500			500			500
6	Miscellaneous				3808			1408			3108			1657
	<b>GRAND TOTAL</b>				<b>82500</b>			<b>22500</b>			<b>30000</b>			<b>35000</b>
	<b>Cost per seedling</b>				<b>8.25</b>			<b>2.25</b>			<b>3.00</b>			<b>3.50</b>
	Sale rate per seedling	Rs			1200			3.25			4.50			5.00
	<b>Net Income per seedling</b>	Rs.			<b>3.75</b>			<b>1.00</b>			<b>1.50</b>			<b>1.50</b>



PRODUCTION OF FLOWER SEEDLING (BARE ROOTED)																	
10000 nos			Marigold						Salvia			Zinnia			Kochia		
Sl. No	Components of cost	Unit	OP variety			Hybrid variety			OP variety			OP variety			OP variety		
			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
1	Seeds	g	750	1.6	1200	40	750	30000	100	8	800	1200	1	1200	50	25	1250
2	Preparation of beds (10' X 3')	Nos	20			5			15			20			15		
	Compost	Cft	20	12	240	5	12	60	15	12	180	20	12	240	15	12	180
	Chloropyriphos @5ml/cft	ml	400	0.28	112	125	0.28	35	300	0.28	84	400	0.28	112	300	0.28	84
	Diammonium Phosphate	Kg	4	25.6	102.4	1	25.6	25.6	3	25.6	76.8	4	25.6	102.4	3	25.6	76.8
	Seed treatment chemical	g	8	0.6	4.8	1	0.8	0.8	2	0.6	1.2	8	0.6	4.8	2	0.6	1.2
	Paddy straw	Bund	50	1.25	62.5				40	1.25	50	50	1.25	62.5	40	1.25	50
	Nursery bed disinfection with formalin	LS	1	600	600	1	250	250	1	400	400	1	600	600	1	400	400
	Polythene for covering (Reusable)	LS	1	138	138	1	65	65	1	138	138	1	138	138	1	138	138
	Labour charges	MD	4	126	504	2	126	252	3	126	378	4	126	504	3	126	378
3	Drying soil & compost mixing																
	Garden soil	Cft	10	8	80	2.5	8	20	8	8	64	10	8	80	8	8	64
	Compost	Cft	5	12	60	1	12	12	4	12	48	5	12	60	4	12	48
	Labour charge	MD	1	126	126	0.5	126	63	1	126	126	1	126	126	1	126	126
4	Sowing marigold seeds, light covering with soil and compost mixture and covering paddy straw, news paper & / or polythene	MD	1	126	126	1	126	126	1	126	126	1	126	126	1	126	126
5	Sprinkling water two times daily @ 0.5 hrs per day / need based	MD	4	126	504	2	126	252	4	126	504	4	126	504	4	126	504
6	Irrigation charges	LS	1	180	180	1	201	201	1	180	180	1	180	180	1	180	180
7	Maintenance																
	Plant protection chemicals	LS	1	100	100	1	100	100	1	100	100	1	100	100	1	100	100
	Application of PP chemicals	MD	1	126	126	1	126	126	1	126	126	1	126	126	1	126	126
	Weeding	MD	3	126	378	2	126	252	2	126	252	3	126	378	2	126	252
	Provision for shade (need based)	LS	1	100	100	1	100	100	1	100	100	1	100	100	1	100	100
8	Uprooting and packaging	MD	1	126	126	1	126	126	1	126	126	1	126	126	1	126	126
9	Packaging material	LS	1	20	20	1	20	20	1	20	20	1	20	20	1	20	20
10	Miscellaneous / Contingency				110			2914			120			110			170
	<b>GRAND TOTAL</b>				<b>5000</b>			<b>35000</b>			<b>4000</b>			<b>5000</b>			<b>4500</b>
	<b>Cost per seedling</b>				<b>0.50</b>			<b>3.50</b>			<b>0.40</b>			<b>0.50</b>			<b>0.45</b>
	Sale rate per seedling	Rs			0.75			5.00			0.75			0.75			1.00
	<b>Net Income per seedling</b>	Rs.			<b>0.25</b>			<b>1.50</b>			<b>0.35</b>			<b>0.25</b>			<b>0.55</b>

10000	
Sl. No	Compo
1	Seeds
	Seeds
2	Prepar
	Compr
	Chloro
	Diamm
	Seed
	Paddy
	Nursery
	Polyth
	Labou
	Drying
3	Garde
	Comp
	Labou
4	Sowir
	cover
	mixtu
	straw
	polytl
5	Sprin
	@ 0.
6	Irriga
	Main
	Plan
7	Appl
	Wee
	Prov
8	Upro
9	Pacl
10	Misc
	Misc
	Co
	Co
	Sal
	Sal

nia
riety
Cost (Rs.)
1250
180
84
76.8
1.2
50
400
138
378
64
48
126
126
504
180
100
126
252
100
126
20
170
4500
0.45
1.00
0.55

Production of vegetable seedling																				
10000 nos			Brinjal			Tomato			Chilli			Capsicum			Cabbage			Cauliflower		
			OP & Hybrid			OP & Hybrid			OP & Hybrid			OP & Hybrid			OP & Hybrid			OP & Hybrid		
Sl. No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
1	Seeds (Open pollonted)	g	100	1.5	150	50	2	100	125	1	125	125	18	2250	75	2	150	50	1.8	90
	Seeds (Hybrid)	g	75	6	450	40	20	800	100	22	2200	100	35	3500	60	16	960	40	18	720
2	Preparation of beds (10' X 3' )	Nos	5			5			5			5			5			5		
	Compost	Cft	20	12	240	20	12	240	20	12	240	20	12	240	20	12	240	20	12	240
	Chloropyriphos @5ml/cft	Litre	0.4	280	112	0.4	280	112	0.4	280	112	0.4	280	112	0.4	280	112	0.4	280	112
	Diammonium Phosphate	Kg	4	25.6	102	4	25.6	102	4	25.6	102	4	25.6	102	4	25.6	102	4	25.6	102
	Seed treatment chemical	g	8	0.6	4.8	8	0.6	4.8	8	0.6	4.8	8	0.6	4.8	8	0.6	4.8	8	0.6	4.8
	Paddy straw	Bund	50	1.25	62.5	50	1.25	62.5	50	1.25	62.5	50	1.25	62.5	50	1.25	62.5	50	1.25	62.5
	Nursery bed disinfection with formalin	LS	1	600	600	1	600	600	1	600	600	1	600	600	1	600	600	1	600	600
	Polythene for covering (Reusable)	LS	1	138	138	1	138	138	1	138	138	1	138	138	1	138	138	1	138	138
	Labour charges	MD	4	126	504	4	126	504	4	126	504	4	126	504	4	126	504	4	126	504
3	Drying soil & compost mixing																			
	Garden soil	Cft	10	8	80	10	8	80	10	8	80	10	8	80	10	8	80	10	8	80
	Compost	Cft	5	12	60	5	12	60	5	12	60	5	12	60	5	12	60	5	12	60
	Labour charge	MD	1	126	126	1	126	126	1	126	126	1	126	126	1	126	126	1	126	126
4	Sowing marigold seeds, light covering with soil and compost mixture and covering paddy straw, news paper & / or polythene	MD	1	126	126	1	126	126	1	126	126	1	126	126	1	126	126	1	126	126
5	Sprinkling water two times daily @ 0.5 hrs per day / need based	MD	4	126	504	4	126	504	4	126	504	4	126	504	4	126	504	4	126	504
6	Irrigation charges	LS	1	180	180	1	180	180	1	180	180	1	180	180	1	180	180	1	180	180
7	Maintenance																			
	Plant protection chemicals	LS	1	100	100	1	100	100	1	100	100	1	100	100	1	100	100	1	100	100
	Application of PP chemicals	MD	1	126	126	1	126	126	1	126	126	1	126	126	1	126	126	1	126	126
	Weeding	MD	3	126	378	3	126	378	3	126	378	3	126	378	3	126	378	3	126	378
	Provision for shade (need based)	LS	1	100	100	1	100	100	1	100	100	1	100	100	1	100	100	1	100	100
8	Uprooting and packaging	MD	1	126	126	1	126	126	1	126	126	1	126	126	1	126	126	1	126	126
9	Packaging material	LS	1	20	20	1	20	20	1	20	20	1	20	20	1	20	20	1	20	20
10	Miscellaneous/Contingency(OP)				160			160			160			260			160			170
	Miscellaneous/Contingency(Hyb)				360			360			360			410			350			390
	<b>GRAND TOTAL (OP)</b>				<b>4000</b>			<b>3950</b>			<b>3975</b>			<b>6200</b>			<b>4000</b>			<b>3950</b>
	<b>GRAND TOTAL (Hybrid)</b>				<b>4500</b>			<b>4850</b>			<b>6250</b>			<b>7600</b>			<b>5000</b>			<b>4800</b>
	<b>Cost per seedling (OP)</b>				<b>0.40</b>			<b>0.39</b>			<b>0.40</b>			<b>0.62</b>			<b>0.40</b>			<b>0.39</b>
	<b>Cost per seedling (Hybrid)</b>				<b>0.45</b>			<b>0.48</b>			<b>0.62</b>			<b>0.76</b>			<b>0.50</b>			<b>0.48</b>
	Sale rate per seedling (OP)	Rs			0.75			0.75			0.75			1.00			0.75			0.75
	Sale rate per seedling (Hyb)	Rs.			1.00			1.00			1.00			1.50			1.00			1.00



Production of Fruit seedlings																					
Sl. No	10000 nos			K.Lime seedling			Orange seedling			Jack fruit seedling			Guava seedling			Pomegranate seedling			Arecanut seedling		
	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
1	Fruits	Nos	5000	0.5	2500	2500	5	12500	120	65	7800	400			200						
	Fruits	Kg				350						70	30	2100	50	70	3500	550	40	22000	
	Seed extraction	MD	10	126	1260	10	126	1260	5	126	630	2	126	252	3	126	378				
2	Seed bed preparation																				
	Compost	Cft	10	12	120	10	12	120				10	12	120	10	12	120	100	12	1200	
	Sand	Cft																100	8	800	
	Chloropyriphos@5ml/cft	Litre	0.25	280	70	0.25	280	70				0.3	280	70	0.3	280	70	1	280	280	
	Seed & bed treatment chemicals	g	200	0.6	120	200	0.6	120				200	0.6	120	200	0.6	120				
	Sowing seeds	MD	5	126	630	5	126	630				5	126	630	5	126	630	60	126	7560	
	Straw	Bundle																100	1.25	125	
	Maintenance in nursery bed	MD	15	126	1890	15	126	1890				15	126	1890	15	126	1890	40	126	5040	
3	Potting of seedlings (12000 nos.)																				
	Garden soil	Cft	650	8	5200	650	8	5200	650	8	5200	650	8	5200	650	8	5200	350	8	2800	
	Compost	Cft	300	12	3600	300	12	3600	300	12	3600	300	12	3600	300	12	3600	150	12	1800	
	Diammonium Phosphate	Kg	95	26	2432	95	26	2432	95	25.6	2432	95	25.6	2432	95	25.6	2432	50	25.6	1280	
	Chloropyriphos@5ml/cft	Litre	4.75	280	1330	4.75	280	1330	4.8	280	1330	4.8	280	1330	4.8	280	1330	2.5	280	700	
	Polythene bag ( 5"x 7" x 200 gauge) ( 4"x 6" x 150 gauge-Arecanut)	Kg	26.3	138	3623	26.3	138	3623	26	138	3623	26.3	138	3623	26.3	138	3623	13	138	1794	
	Preparation of pot mixture, filling polythene & planting seedling	MD	40	126	5040	40	126	5040	35	126	4410	40	126	5040	40	126	5040	30	126	3780	
4	Arrangement of seedlings in bed	MD	45	126	5670	45	126	5670	35	126	4410	40	126	5040	40	126	5040	15	126	1890	
5	Plant Protection / foliar sprayer																				
	Plant protection chemicals	LS			1300			1300			600			500			1300			2500	
	Urea	Kg	5	6	30	5	6	30	5	6	30	5	6	30	5	6	30				
	Application charges	MD	10	126	1260	10	126	1260	5	126	630	10	126	1260	10	126	1260	6	126	756	
6	Maintainance for		Six months			Six months			Three months			One year			One year			One year			
	Weeding	MD	20	126	2520	20	126	2520	5	126	630	10	126	1260	10	126	1260	10	126	1260	
	Virgin Polythene mulching below seedlings ( 50% cost as could be reused )	Kg	100	138	6900	100	138	6900	100	138	6900	100	138	6900	100	138	6900				
	Irrigation	MD	15	126	1890	15	126	1890	10	126	1260	20	126	2520	20	126	2520	40	126	5040	
	Provision of shade	LS																		1000	
	Irrigation charges	LS			2000			2000			2000			1500			1500			2000	
																				3895	
7	Miscellaneous				3115			3115			4515			4583			4757			67500	
	<b>GRAND TOTAL</b>				<b>52500</b>			<b>62500</b>			<b>50000</b>			<b>50000</b>			<b>52500</b>			<b>67500</b>	
	<b>Cost per seedling</b>				<b>5.25</b>			<b>6.25</b>			<b>5.00</b>			<b>5.00</b>			<b>5.25</b>			<b>6.75</b>	
	Sale rate per seedling	Rs			8.00			9.50			7.50			7.50			8.00			10.75	
	<b>Net Income per seedling</b>	Rs.			<b>2.75</b>			<b>3.25</b>			<b>2.50</b>			<b>2.50</b>			<b>2.75</b>			<b>4.00</b>	

Sl. No	
1	Mango seeds(4 fresh se germn,
2	Seed b Compo Chloro Prepar
3	Potting Garden Compo Diamm Chloro Polythe Prepar transpl
4	Setting
5	Graftin Cost o Graftin Polythe Cost o Labou Remo
6	Mainta Weed Polyth Irrigat Irrigat
7	Plant Plant Applic
8	Lifting
9	Taggi Cost o Labou
10	Misce
	<b>Cost</b>
	Sale
	<b>Net I</b>

canut seedling	
Rate (Rs.)	Cost (Rs.)
40	22000

12	1200
8	800
280	280
126	7560
1.25	125
126	5040

8	2800
12	1800
25.6	1280
280	700
138	1794
126	3780
126	1890

	2500
126	756
One year	
126	1260
126	5040
	1000
	2000
	3895
	67500
	6.75
	10.75
	4.00

Production cost of grafts																		
10000 nos			Mango grafts			Aonla grafts			Aonla budded plants			Custardapple graft			Cashew graft			
Sl No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	
1	Mango stones (33% germination), Aonla seeds(40%germn, 1kg=6500seeds), Custard apple fresh seeds(50% germination), cashew seednuts (80% germn, 1kg=170 nuts)	Nos	60000	0.12	7200	5 Kg	1600	8000	5 Kg	1600	8000	40 Kg	250	10000	167 Kg	100	16700	
2	Seed bed preparation																	
	Compost	cft	30	12	360	30	12	360	30	12	360	30	12	360				
	Chloropyriphos @5ml /cft	lit	0.5	280	140	0.25	280	70	0.25	280	70	0.5	280	140				
	Preparation of beds, sowing stones & watering	MD	25	126	3150	25	126	3150	25	126	3150	25	126	3150				
3	Potting of Mango seedlings(20000 nos)																	
	Garden soil(sand mixed in clay soils)	cft	2000	8	16000	2000	8	16000	2000	8	16000	2000	8	16000	2000	8	16000	
	Compost	cft	1000	12	12000	1000	12	12000	1000	12	12000	1000	12	12000	1000	12	12000	
	Diammonium Phosphate	kg	295	25.6	7552	295	25.6	7552	295	25.6	7552	295	25.6	7552	295	25.6	7552	
	Chloropyriphos @5ml /cft	lit	15	280	4200	15	280	4200	15	280	4200	15	280	4200	15	280	4200	
	Polythene bag ( 6"X 9"x300 gauge)	kg	100	138	13800	101	138	13979	101	138	13979	101	138	13979	101	138	13841	
	Preparation of soil mixture, filling of polybags & transplanting seedling	MD	60	126	7560	60	126	7560	60	126	7560	60	126	7560	50	126	6300	
4	Setting of seedlings over polythene mulch	MD	60	126	7560	60	126	7560	60	126	7560	60	126	7560	50	126	6300	
5	Grafting (17000nos)																	
	Cost of scion material	nos	17000	0.5	8500	17000	0.5	8500	17000	0.5	8500	17000	0.5	8500	17000	0.5	8500	
	Grafting charge	nos	10200	1	10200	10200	1	10200	10200	0.5	5100	10200	1	10200	10200	1	10200	
	Polythene tape	kg	20	138	2760	20	138	2760	20	138	2760	20	138	2760	20	138	2760	
	Cost of Polythene tube	kg	10	138	1380	10	138	1380	10	138	1380	10	138	1380	10	138	1380	
	Labour charge for polythene tube covering	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520	
	Removal of sprouts, below graft union	MD	15	126	1890	15	126	1890	15	126	1890	15	126	1890	20	126	2520	
6	Maintainance (One year)																	
	Weeding	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520	20	126	2520	
	Polythene mulching (50% cost as to be reused)	kg	200	69	13800	200	69	13800	200	69	13800	200	69	13800	200	69	13800	
	Irrigation	MD	30	126	3780	30	126	3780	30	126	3780	30	126	3780	30	126	3780	
	Irrigation charges				4000			3500			3500			4000			4000	
7	Plant Protection :																	
	Plant protection chemicals				3000			2500			2500			3400			4000	
	Application charge	MD	10	126	1260	10	126	1260	10	126	1260	15	126	1890	5	126	630	
8	Lifting of grafts from bed & hardening	MD	30	126	3780	15	126	1890	15	126	1890	15	126	1890	15	126	1890	
9	Tagging																	
	Cost of tag	nos	10000	0.4	4000	10000	0.4	4000	10000	0.4	4000	10000	0.4	4000	10000	0.4	4000	
	Labour charges for tagging	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	
10	Miscellaneous				5828			7809			7909			3709			3347	
	<b>GRAND TOTAL</b>				<b>150000</b>			<b>150000</b>			<b>145000</b>			<b>150000</b>			<b>150000</b>	
	<b>Cost per graft</b>				<b>15.00</b>			<b>15.00</b>			<b>14.50</b>			<b>15.00</b>			<b>15.00</b>	
	Sale rate per graft	Rs			24.00			24.00			23.00			24.00			24.00	
	<b>Net Income per graft</b>	Rs.			<b>9.00</b>			<b>9.00</b>			<b>8.50</b>			<b>9.00</b>			<b>9.00</b>	



**Production of ornamental cuttings**

Sl No	Components of cost	Unit	10000 nos			Jasmine			Crossandra			Croton			Marigold			Chrysanthemum			Dahlia		
			Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
1	Maintainance of mother stock	Nos	250	23	5750	250	23	5750	250	23	5750	250	9	2250	250	9	2250	250	9	2250	250	9	2250
2	Preparation of nurserybed (10' X3')	Nos	30			30			30			10			10			10			10		
	Fine sand	Cft										5	8	40	15	8	120				15	8	120
	Compost	Cft	10	12	120	10	12	120	10	12	120	5	12	60									
	Chloropyriphos@5ml/cft	Litre	0.3	280	70	0.3	280	70	0.3	280	70	0.3	280	70									
	Diammonium Phosphate	Kg	10	25.6	256	10	25.6	256	10	25.6	256	3	25.6	77									
	Polythene for covering (Reusable)	Kg										1	138	138	1	138	138				1	138	138
	Nursery bed disinfection with formalin	LS												250			250						250
	Labour charge	MD	8	126	1008	8	126	1008	8	126	1008	3	126	378	3	126	378	3	126	378	3	126	378
3	Preparation of cuttnings		15000 nos			15000 nos			12000 nos			11000 nos			11000 nos			11000 nos					
	Preparation of cuttings, treatment with rooting hormone and planting	MD	5	126	630	5	126	630	4	126	504	9	126	1134	9	126	1134	9	126	1134	9	126	1134
	Rooting hormone	Kg	0.5	300	150	0.5	300	150	0.4	300	120	0.5	300	150	0.5	300	150	0.5	300	150	0.5	300	150
	Planting of cuttings	MD	10	126	1260	10	126	1260	8	126	1008												
	Provision for shade (need based)	LS												200			200						200
	Sprinkling water on the beds	MD	10	126	1260	10	126	1260	8	126	1008	2	126	252	2	126	252	2	126	252	2	126	252
	Potting of rooted cuttings		12500 nos			12500 nos			11000 nos			10200 nos			11000 nos								
Garden soil	Cft	800	8	6400	800	8	6400	800	8	6400													
Compost	Cft	400	12	4800	400	12	4800	400	12	4800													
Diammonium Phosphate	Kg	122	25.6	3123	122	25.6	3123	122	25.6	3123													
Chloropyriphos@5ml/cft	Litre	6	280	1680	6	280	1680	6	280	1680													
Polythene bag (5"x7" x200 gauge)	Kg	33.5	138	4623	33.5	138	4623	33.5	138	4623													
Mini earthen pots (0.75"-1" size)	Nos													10200	0.1	1020	10200	0.1	1020	10200	0.1	1020	
Pot mixture for mini earthen pots	Nos													10200	0.1	1020	10200	0.1	1020	10200	0.1	1020	
Transplanting	MD	50	126	6300	50	126	6300	45	126	5670				8	126	1008	10	126	1260				
5	Arrangement of seedlings in bed	MD	50	126	6300	50	126	6300	45	126	5670												
6	Plant Protection																						
	Cost of PP chemicals	LS			1300			1300			1100			100			100						
	Application charge	MD	10	126	1260	10	126	1260	9	126	1134	1	126	126	1	126	126	1	126	126	1	126	126
7	Maintainance		6 months			6 months			6 months			1 month			1 month			1 month					
	Weeding	MD	25	126	3150	25	126	3150	25	126	3150	2	126	252	2	126	252	2	126	252	2	126	252
	Irrigation	MD	10	126	1260	10	126	1260	10	126	1260												
	Irrigation charges	LS			2000			2000			2000			150			150						150
	Diamonium phosphate	Kg	50	25.6	1280	50	25.6	1280	50	25.6	1280												
8	Uprooying & packaging	MD										1	126	126	1	126	126	1	126	126	1	126	126
	Packaging material	LS											50			450						450	
9	Miscellaneous	LS			3520			3520			3266			197			376					624	
	<b>GRAND TOTAL</b>				<b>57500</b>			<b>57500</b>			<b>55000</b>			<b>6000</b>			<b>9500</b>					<b>10000</b>	
	<b>Cost per cutting</b>				<b>5.75</b>			<b>5.75</b>			<b>5.50</b>			<b>0.60</b>			<b>0.95</b>					<b>1.00</b>	
	Sale rate per cutting	Rs			9.00			9.00			8.00			0.90			2.00					2.50	
	<b>Net Income per cutting</b>	Rs.			<b>3.25</b>			<b>3.25</b>			<b>2.50</b>			<b>0.30</b>			<b>1.05</b>					<b>1.50</b>	

Sl No	
1	Preparat
	Scion cos
	Gootee n
	Rooting h
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	Polythen
2	Gunney
	Potting
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4	PP cher
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Production of Gootes																		
SI No	10000 nos			Litchi Gootes			Guava Gootes			K. Lime Gootes			Pomegranate Gootes			Karambola Gootes		
	Components of cost		Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
1	<b>Preparation for gootee</b>			<b>20000 nos</b>			<b>17000 nos</b>			<b>17000 nos</b>			<b>17000 nos</b>			<b>17000 nos</b>		
	Scion cost	Nos	20000	1	20000	17000	1	17000	17000	1	17000	17000	1	17000	17000	1	17000	
	Gootee making charges	Nos	14000	1	14000	12000	1	12000	12000	1	12000	12000	1	12000	12000	1	12000	
	Rooting hormon	Kg	2	300	600	1.5	300	450	1.5	300	450	1.5	300	450	1.5	300	450	
	Sphagnum Moss	Kg	200	120	24000	150	120	18000	150	120	18000	150	120	18000	150	120	18000	
	Carbendazim for moss treatment	g	200	0.8	160	200	0.8	160	200	0.8	160	200	0.8	160	200	0.8	160	
	Polythene sheet	Kg	40	138	5520	30	138	4140	30	138	4140	30	138	4140	30	138	4140	
	Gunney thread	Kg	40	60	2400	30	60	1800	30	60	1800	30	60	1800	30	60	1800	
2	<b>Potting of successful layers</b>			<b>14000 nos</b>			<b>12000 nos</b>			<b>12000 nos</b>			<b>12000 nos</b>			<b>12000 nos</b>		
	Detachment from mother plant	MD	25	126	3150	20	126	2520	20	126	2520	20	126	2520	20	126	2520	
	Garden soil	Cft	1400	8	11200	1200	8	9600	1200	8	9600	1200	8	9600	1200	8	9600	
	Compost	Cft	700	12	8400	600	12	7200	600	12	7200	600	12	7200	600	12	7200	
	Diammonium Phosphate	Kg	206	25.6	5273.6	177	25.6	4531	177	25.6	4531	177	25.6	4531	177	25.6	4531	
	Chloropyriphos @5ml/cft	Litre	10.5	280	2940	9	280	2520	9	280	2520	9	280	2520	9	280	2520	
	Polythene bags(6"x9"x300 gauge)	Kg	71	138	9798	60.75	138	8384	60.75	138	8384	60.75	138	8384	60.75	138	8384	
	Soil from old litchi orchard	Cft	100	8	800													
	Potting in Polythene bags	MD	50	126	6300	40	126	5040	40	126	5040	40	126	5040	40	126	5040	
	Trench making (10'x1.5'x1') & arrangement of gootee in trench (400 nos.per trench)	Md	87	126	10962	75	126	9450	75	126	9450	75	126	9450	75	126	9450	
3	<b>Plant Protection</b>																	
	PP chemicals	LS			2000			2000			2000			2000			2000	
	Application charge	MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630	
4	<b>Maintainance</b>																	
	Weeding	MD	30	126	3780	20	126	2520	20	126	2520	20	126	2520	20	126	2520	
	Irrigation	MD	15	126	1890	10	126	1260	10	126	1260	10	126	1260	10	126	1260	
	Provision of shade	LS			3000			3000			3000			3000			3000	
	Irrigation charges	LS			2000			2000			2000			2000			2000	
5	Lifting of gootees from bed & hardening before disposal	MD	15	126	1890	15	126	1890	15	126	1890	15	126	1890	15	126	1890	
6	Tagging																	
	Cost of tag @ Rs.40 per 100 nos	Nos	10000	0.4	4000	10000	0.4	4000	10000	0.4	4000	10000	0.4	4000	10000	0.4	4000	
	ii) Labour charges for writing & tagging	MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260	
7	Miscellaneous	LS			4046			6145			6145			6145			6145	
	<b>GRAND TOTAL</b>				<b>150000</b>			<b>127500</b>			<b>127500</b>			<b>127500</b>			<b>127500</b>	
	<b>Cost per gootee</b>				<b>15.00</b>			<b>12.75</b>			<b>12.75</b>			<b>12.75</b>			<b>12.75</b>	
	Sale rate per gootee	Rs			24.00			24.00			23.00			24.00			24.00	
	<b>Net Income per gootee</b>	Rs.			<b>9.00</b>			<b>11.25</b>			<b>10.25</b>			<b>11.25</b>			<b>11.25</b>	



**Production of coconut seedlings**

10000 nos		T X D		D X T		Local
Sl. No.	Components of cost	Unit / MD	Cost (Rs.)	Unit / MD	Cost (Rs.)	
A	Production of seed nut (15300 nos)					
	Maintenance cost of palm @175/Year			460 nos	80500	
	i) Selection & marking of mother plants (460 nos)	5MD	630	5	630	
	ii) Emasculatation (1) bagging, marking, pollination (4) bag opening (1)-6 climbs/bunch @ 12 palms /MD 460 palms, 8(times) months in a year (by semi skilled MD)	1840 MD	263120	276	34776	
	iii) Pollen collection, processing (2x0.5MD/day) for 8 months(November-june)=242 days	242 MD	30492			
	iv) Acetocalamine		500			
	v) Calcium chloride @ Rs.500/kg	1.5 kg	750			
	vi) Climbing rope-@ Rs.150/no	15	2250	15	450	
	vii) Coal tar@ Rs.60/litre	5	300	2	120	
	viii) Cloth bag-2-3 bags per palm /year @ Rs.40/bag	1150	46000			
	ix) Eriphide mite control measures @ Rs.40/palm	460	18400	460	18400	
	x) Plucking of seed nut-4 times/year @ 20 palms / M	92	11592	92	11592	
	xi) Collection of seed nut from garden to store @ 40 palms/MD	46	5796	46	5796	
	xii) Unforeseen expenditure for seed production		2590		7236	
	Total		382420		159500	
	<b>Production of TXD seed nut @ (Rs.)</b>		<b>25.0</b>		<b>10.42</b>	
1	Seed coconut including tax@Rs.12.0/nut (Local)	15300no	382420	15300 no	159500	183600
	Grading & Sorting	15300no	1530	15300 no	1530	15300no
2	Preparation of curing chamber					
	i) Bambo @Rs.150/piece	30nos	4500	30 nos	4500	30nos
	ii) Rope @Rs.30/kg	5 kg	150	5kg	150	5 kg
	iii) Labour charges	2 MD	252	2MD	252	2 MD
	iv) Thatching of godown		2500		2500	2500
3	Storing of seednuts in the curing chamber	15 MD	1890	15MD	1890	15 MD
4	Land Preparation					
	i) Tractor @Rs.500/hr	2 hrs	1000	2hrs	1000	2 hrs
	ii) Labour charge	2 MD	252	2MD	252	2 MD
5	Seed bed preparation					
	i) Compost @Rs.12/cft	315 cft	3780	315 cft	3780	315 cft
	ii) MOP @Rs.1900/qtl	3.5 qtl	6650	3.5 qtl	6650	3.5 qtl
	iii) Plant Protection chemicals		1000		500	1000
	iv) Seed bed preparation(including application of compost, fertilizer, plant protection chemicals)	125 MD	15750	125MD	15750	125 MD
6	Transportation from Godown to seedbed	20 MD	2520	20MD	2520	20 MD
7	Sowing in seed bed	50 MD	6300			50 MD
8	Intercultural operations					
	i) Weeding	40 MD	5040	40MD	5040	40 MD
	ii) Irrigation	30 MD	3780	30MD	3780	30 MD
	iii) Cost of plant protection chemicals		2000		1000	2000
	iv) Application of PP chemicals	10 MD	1260	10MD	1260	10 MD
9	Irrigation charges		3000		3000	3000
10	Lifting from bed	30 MD	3780	30MD	3780	30 MD
11	Miscellaneous		646		11366	10696
	<b>GRAND TOTAL</b>		<b>450000</b>		<b>230000</b>	<b>275000</b>
	<b>Cost per seedling</b>		<b>45.00</b>		<b>23.00</b>	<b>27.50</b>
	Sale rate per seedling	Rs	75.00		36.00	30.00
	<b>Net income per seedling</b>	Rs.	<b>30.00</b>		<b>13.00</b>	<b>2.50</b>

18000		Cost per graft
180000		
4975	LS	
	MD	
		Grand Total
		Miscellaneous
		Lifting of grafts
		10
		6

10000 nos			Sapota grafts		
SI No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)
1	Khirni seeds(33% germination, 1kg=3000 seeds)	Kg	10	1000	10000
	Khirni seedling preparation	Cft	10	12	120
	Compost	Kg	0.5	280	140
2	Chloropyriphos@5ml/cft	MD	20	126	2520
	Preparation of bed, Sowing seeds, mulching, watering for 45 days	Bundle	50	1.25	62.5
	Straw (for mulching)				
	Potting of Khirni seedling (20000nos.)	Cft	600	8	4800
	Garden soil	Kg	300	12	3600
	Compost	Litre	4.5	280	1260
3	Chloropyriphos@5ml/cft	Kg	87	25.6	2227
	Diammonium Phosphate	Kg	22.5	138	3105
	Polythene bag (4" x 6" x 150 gauge)	MD	30	126	3780
	Planting Khirni seedling	MD	40	126	5040
	Making trench (10' x 1.5' x 6") and arrangement of seedlings in the trench (300 seedlings per trench)				
	Maintenance of Khirni seedling for 2 Yrs	MD	80	126	10080
	Irrigation, weeding	LS			700
4	Cost of PP chemical	Kg	20	6	120
	Urea	MD	10	126	1260
	Application of PP chemical	LS			5000
	Irrigation charges				
	Hanging inarching(17000 nos)	MD	75	126	9450
	Uprooting seedling, sizing roots, treatment of moss with chemicaland binding Khirni seedling moss in polythene bags	Kg	180	120	21600
	Moss	Kg	19.25	138	2657
5	Polythene bag (4" x 6" x 150 gauge)	Kg	10	60	600
	Gunny thread	Kg	4	138	552
	Polythene tape	g	100	0.8	80
	Carbendazim	Nos	12600	0.5	6300
	Cost of scion material	Nos	12600	1	12600
	Grafting charge	Cft	1300	6	7800
	Potting of successful unions(126000 nos)	Cft	650	12	7800
	Garden soil	Litre	9.75	280	2730
6	ii) Compost @Rs.12/kg	Kg	64	138	8832
	Chloropyriphos@5ml/cft	MD	60	126	7560
	Polythene bags (6"x9"x300 gauge)	MD	50	126	6300
	Preparation of soil mixture, polythene filling & Planting				
	Making trench(10'x1.5'x 9") and arrangement of grafts in the trench (300 grafts per trench)				
7	Plant Protection	LS			3000
	PP Chemicals	MD	10	126	1260
	Labour charge	MD	40	126	5040
	Maintainance ( One Year)	Kg	100	138	6900
8	Irrigation, weeding	LS			3000
	Polythene mulching ( 50% cost as could be reused )				
	Irrigation charges				
	Tagging	Nos	10000	0.4	4000
9	Cost of tag	MD	10	126	1260
	Labour charges for writing & tagging	MD	15	126	1890
9	Lifting of grafts from bed & hardening before disposal	LS			4975
10	Miscellaneous				180000
	<b>GRAND TOTAL</b>				<b>180000</b>
	<b>Cost per graft</b>				<b>18.00</b>

	Rs.	Rs.	
2.50	30.00	30.00	Net income per seedling
30.00	36.00	5.00	Sale price per seedling
27.50	33.00	5.50	Cost per seedling
0000572	0000032	0000000	Total Cost
66901	99311	949	Total Miscellaneous



Production of orange grafts & budded plants						
10000 nos						
Sl No	Components of cost	Unit	Orange grafts		Orange budded plant	
			Nos	Rate (Rs.)	Cost (Rs.)	
1	Jamberi seeds(80% germination, 10 seeds/fruit) Khirmi seeds(33% germination, 1kg=3000 seeds)	Nos	2500	3	7500	
	Seedling preparation					Jamberi
	Compost	Cft	10	12	120	10 12 120
2	Chloropyriphos @5ml/cft	Litre	0.25	280	70	0.25 280 70
	Bed preparation, seed sowing, mulching, watering	MD	20	126	2520	20 126 2520
	Straw (for mulching)	Bundl	50	1.25	62.5	50 1.25 62.5
	Potting / planting of Jamberi seedling (20000nos.)					
	Garden soil	Cft	2000	8	16000	2000 8 16000
	Compost	Cft	1000	12	12000	1000 12 12000
	Diammonium Phosphate	Kg	295	25.6	7552	295 25.6 7552
3	Chloropyriphos@5ml/cft	Litre	15	280	4200	15 280 4200
	Polythene bag ( 6"X 9"X300 gauge)	Kg	101.3	138	13979	101.3 138 13979
	Mixture preparation, bag filling, planting, watering	MD	60	126	7560	60 126 7560
	Making trench (10' x 1.5' x 6") and arrangement of seedlings in the trench (300 seedlings per trench)	MD	40	126	5040	40 126 5040
	Maintainance of jamberi seedling for 1 Yr					
	Irrigation, weeding	MD	60	126	7560	60 126 7560
4	PP chemical	LS			3000	
	Urea	Kg	20	6	120	20 6 120
	Application of pp chemical	MD	20	126	2520	20 126 2520
	Irrigation charges	LS			4000	
	Grafting					
	Scion material or maint. of mother plants	Nos	17000	0.5	8500	17000 0.5 8500
5	Grafting / Budding charges	Nos	10200	1	10200	17000 0.5 8500
	Polythene tape	Kg	15	138	2070	15 138 2070
	Removing sprouts coming below graft union	MD	45	126	5670	45 126 5670
	Plant Protection					
6	Plant protection chemicals	LS			2000	
	Application charge	MD	20	126	2520	20 126 2520
	Maintainance ( 6 months)					
7	Irrigation, weeding	MD	37	126	4662	37 126 4662
	Polythene mulching ( 50% cost as to be reused )	Kg	100	138	6900	100 138 6900
	Irrigation charges	LS			3000	
8	Lifting of budded plant from bed & hardening	MD	15	126	1890	15 126 1890
	Tagging					
9	Cost of tag	Nos	10000	0.4	4000	10000 0.4 4000
	Labour charges for tagging	MD	10	126	1260	10 126 1260
10	Miscellaneous	LS			8524	
	<b>GRAND TOTAL</b>				<b>155000</b>	
	<b>Cost per budded plant</b>				<b>15.50</b>	
	Sale rate per graft / budded plant	Rs			26.00	25.00
	<b>Net Income per graft / budded plant</b>	<b>Rs.</b>			<b>10.50</b>	<b>10.00</b>

Sl No	
1	Maintain
	Maintain
2	Prepara
	Compo
	Chlorop
	Diamm
	Bleach
	Labour
3	Prepara
	Rooting
	Plantin
4	Mainta
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	Cost of
	Applica
5	Potting
	Garden
	Compo
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	Filling o
6	Buddin
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7	Mainte
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	Virgin
	50% c
	Irrigati
	Cost of
	Applica
8	Lifting
9	Misce
	Cost
	Sale r
	Net In

15.00	25.00	10.00
15.50	26.00	10.50
	Rs	Rs.
Cost per budded plant	Sale rate per graft / budded plant	Net Income per graft / budded plant

PRODUCTION OF BUDDED ROSES (SOIL BASE)					
10000 nos					
Sl No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)
1	Maintainance of scion mother plant	Nos	300	28	8400
	Maintainance of root stock mother plant	Nos	300	12	3600
2	Preparation of bed(10' X 3')	Nos	6		
	Compost	Cft	15	12	180
	Chloropyriphos@ 5ml/cft	Litre	0.25	280	70
	Diammonium Phosphate	Kg	2	25.6	51.2
	Bleaching powder	Kg	0.5	30	15
	Labour charges	MD	2	126	252
3	Preparation of cutting & planting	Nos	16000		
	Rooting hormone	Kg	0.5	300	150
	Planting cuttings in bed	MD	20	126	2520
4	Maintainance of cuttings ( 2 months)				
	Weeding	MD	2	126	252
	Sprinkling water	MD	2	126	252
	Irrigation charges	LS			400
	Cost of PP chemicals	LS			100
	Application of PP chemicals	MD	1	126	126
5	Potting of rose cuttings	Nos	15300		
	Garden soil	Cft	1600	8	12800
	Compost	Cft	400	12	4800
	Oil cake	Qtl	1.5	1800	2700
	Diammonium Phosphate	Kg	122	25.6	3123.2
	Chloropyriphos@ 5ml/cft	Litre	6	280	1680
	Polythene bag ( 5"X 7"X 300 gauge)	Kg	50.2	138	6927.6
	Filling of polybags, planting of rooted cuttings	MD	80	126	10080
6	Budding				
	Budding charge @ Rs.0.5/bud	Nos	15300	0.5	7650
	Polythene tape @ Rs.138/kg	Nos	10	138	1380
	Removing sprouts below bud union	MD	45	126	5670
7	Maintenance			1 year	
	Weeding, irrigation	MD	50	126	6300
	Virgin Polythene mulching over 300 beds ( 50% cost as could be reused )	Kg	120	138	8280
	Irrigation charges	LS			3000
	Cost of PP chemicals	LS		LS	3000
	Application of PP chemicals	MD	5	126	630
8	Lifting from bed and hardening	MD	15	126	1890
9	Miscellaneous / Contingency @ 10%	LS		LS	3721
	<b>GRAND TOTAL</b>				<b>100000</b>
	<b>Cost per budded plant</b>				<b>10.00</b>
	Sale rate per budded plant	Rs			16.00
	<b>Net Income per budded plant</b>	Rs.			<b>6.00</b>

PRODUCTION OF BUDDED ROSES (RICE BRAN BASE)					
10000 nos					
Sl No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)
1	Maintainance of scion mother plant	Nos	300	28	8400
	Maintainance of root stock mother plant	Nos	300	12	3600
2	Preparation of bed(10' X 3')	Nos	6		
	Compost	Cft	15	12	180
	Chloropyriphos@ 5ml/cft	Litre	0.25	280	70
	Diammonium Phosphate	Kg	2	25.6	51.2
	Bleaching powder	Kg	0.5	30	15
	Labour charges	MD	2	126	252
3	Preparation of cutting & planting	Nos	16000		
	Rooting hormone	Kg	0.5	300	150
	Planting cuttings in bed	MD	20	126	2520
4	Maintainance of cuttings ( 2 months)				
	Weeding	MD	2	126	252
	Sprinkling water	MD	2	126	252
	Irrigation charges	LS			400
	Cost of PP chemicals	LS			100
	Application of PP chemicals	MD	1	126	126
5	Potting of rose cuttings	Nos	15300		
	Garden soil	Cft	100	8	800
	Compost	Cft	400	12	4800
	Polythene bag ( 2"X 3"X 125 gauge)	Kg	4	138	552
	Filling of polybags, planting of rooted cuttings	MD	20	126	2520
	Maintenance for 3 months	MD	10	126	1260
6	Budding				
	Budding charge @ Rs.0.5/bud	Nos	15300	0.5	7650
	Polythene tape @ Rs.138/kg	Nos	10	138	1380
	Removing sprouts below bud union	MD	45	126	5670
7	Potting of successful budded plants	Nos	11000		
	Polythene bag ( 5"X 7"X 300 gauge)	Kg	40	138	5520
	Rice bran	Cft	900	4	3600
	Filling of polybags, planting of successful plants	MD	20	126	2520
8	Maintenance			6-10 months	
	Virgin Polythene mulching over 300 beds ( 50% cost as could be reused )	Kg	50	138	3450
	Oil cake	Kg	50	18	450
	Irrigation charges	LS			3000
	Cost of PP chemicals	LS		LS	3000
	Application of PP chemicals, weeding etc	MD	50	126	6300
9	Miscellaneous / Contingency @ 10%	LS		LS	6160
	<b>GRAND TOTAL</b>				<b>75000</b>
	<b>Cost per budded plant</b>				<b>7.50</b>
	Sale rate per budded plant	Rs			12.00
	<b>Net Income per budded plant</b>	Rs.			<b>4.50</b>



Protected cultivation- Capsicum, Chilli, Brinjal

Area: 1000 sqm (17 beds of 24 m long & 1m wide)					Capsicum (Colour)			Capsicum (Green)			Chilli			Brinjal		
Density: 3333 (40cm X 30cm) or (75 cm X 30 cm single row)					Duration-6 months			Duration-6 months			Duration-6 months			Duration-6 months		
Sl. No.	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)		
1	<b>Preparation of beds.</b>															
	Ploughing by tractor with one M.B. plough	Hr	0.5	500	250	0.5	500	250	0.5	500	250	0.5	500	250		
	Polughing by cultivator (2 times)	Hr	0.5	300	150	0.5	300	150	0.5	300	150	0.5	300	150		
	Disinfection with formalin (cost of formalin)	Litre	1	600	600	1	600	600	1	600	600	1	600	600		
	Disinfection with formalin & earthing up	MD	3	126	378	3	126	378	3	126	378	3	126	378		
	Preparation of beds	MD	5	126	630	5	126	630	5	126	630	5	126	630		
2	<b>Manures and Chemical Fertilizers</b>															
	Vermicompost (1.5kg/sqm=6q)	Qtl	6	700	4200	6	700	4200	6	700	4200	6	700	4200		
	Oil cake (@ 1.5 kg/sqm =6q)	Qtl	6	1800	10800	6	1800	10800	6	1800	10800	6	1800	10800		
	SSP (@ 750g/bed =12kg)	Kg	12	9	108	12	9	108	12	9	108	12	9	108		
	MOP (@ 750g/bed=12kg)	Kg	12	18	216	12	18	216	12	18	216	12	18	216		
	19:19:19 (@ 2% on every 4th day =12kg)	Kg	12	300	3600	12	300	3600	12	300	3600	12	300	3600		
	Calcium Nitrate (@ 2% on every 4th day =12kg)	Kg	12	150	1800	12	150	1800	12	150	1800	12	150	1800		
	0:52:34 (@ 2% on every 4th day =14kg)	Kg	8	320	2560	8	320	2560	8	320	2560	8	320	2560		
	Fertilizer application (2hrs/spray=27 MD)	MD	27	126	3402	27	126	3402	27	126	3402	27	126	3402		
3	<b>Seed and Sowing</b>															
	Seedling (3333 /polyhouse)	Nos	3350	2	6700	3350	1.5	5025	3350	1.5	5025	3350	1.5	5025		
	Seedling transplanting ( 4 MD, 1day)	MD	4	126	504	4	126	504	4	126	504	4	126	504		
4	<b>Crop management including training</b>															
	Sutli	Kg	30	60	1800	30	60	1800	30	60	1800	30	60	1800		
	Wire for training	Kg	45	60	2700	45	60	2700	45	60	2700	45	60	2700		
	Tying of plant with sutli(@ 2 MD for 10 days)	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520		
	Crop management (@ 1 MD for 25 days)	MD	25	126	3150	25	126	3150	25	126	3150	25	126	3150		
5	<b>Irrigation through drip</b>															
	1hr alternate days - (@ 120 hr/crop season)	Hr	120	10	1200	120	10	1200	120	10	1200	120	10	1200		
	Labour charge ( 8 MD/crop season)	MD	12	126	1512	12	126	1512	12	126	1512	12	126	1512		
6	<b>Insect-pest and disease management</b>															
	Prophenphos (6 spray @ 100 ml/ spray)	Litre	0.6	500	300	0.6	500	300	0.6	500	300	0.6	500	300		
	Calixin (4 spray @ 100ml/spray)	Litre	0.4	800	320	0.4	800	320	0.4	800	320	0.4	800	320		
	Phorate	Kg	5	130	650	5	130	650	5	130	650	5	130	650		
	Labour for spraying (0.5 MD/spray)	MD	6	126	756	6	126	756	6	126	756	6	126	756		
7	<b>Harvesting</b>															
	Picking - 32 times (1/2 MD for each picking)	MD	16	126	2016	16	126	2016	16	126	2016	16	126	2016		
	Packaging & marketing-32 times (1/4 MD/packing)	MD	8	126	1008	8	126	1008	8	126	1008	8	126	1008		
	Miscellaneous including packaging materials	LS			5370			5245			5245			5245		
	<b>Grand Total</b>				<b>59200</b>			<b>57400</b>			<b>57400</b>			<b>57400</b>		
8	<b>Income from fruit yield</b>	Qtl	30	4000	<b>120000</b>	30	2500	<b>75000</b>	30	3000	<b>90000</b>	50	1500	<b>75000</b>		
9	<b>Net profit</b>				<b>60800</b>			<b>17600</b>			<b>32600</b>			<b>17600</b>		

Area: 1000					
Sl. No.	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)
1	<b>Preparation of beds.</b>				
	Ploughing by tractor with one M.B. plough	Hr	0.5	500	250
	Polughing by cultivator (2 times)	Hr	0.5	300	150
	Disinfection with formalin (cost of formalin)	Litre	1	600	600
	Disinfection with formalin & earthing up	MD	3	126	378
	Preparation of beds	MD	5	126	630
2	<b>Manures and Chemical Fertilizers</b>				
	Vermicompost (1.5kg/sqm=6q)	Qtl	6	700	4200
	Oil cake (@ 1.5 kg/sqm =6q)	Qtl	6	1800	10800
	SSP (@ 750g/bed =12kg)	Kg	12	9	108
	MOP (@ 750g/bed=12kg)	Kg	12	18	216
	19:19:19 (@ 2% on every 4th day =12kg)	Kg	12	300	3600
	Calcium Nitrate (@ 2% on every 4th day =12kg)	Kg	12	150	1800
	0:52:34 (@ 2% on every 4th day =14kg)	Kg	8	320	2560
	Fertilizer application (2hrs/spray=27 MD)	MD	27	126	3402
3	<b>Seed and Sowing</b>				
	Seedling (3333 /polyhouse)	Nos	3350	2	6700
	Seedling transplanting ( 4 MD, 1day)	MD	4	126	504
4	<b>Training</b>				
	Sutli	Kg	30	60	1800
	Wire for training	Kg	45	60	2700
	Tying of plant with sutli(@ 2 MD for 10 days)	MD	20	126	2520
	Crop management (@ 1 MD for 25 days)	MD	25	126	3150
5	<b>Irrigation through drip</b>				
	1hr alternate days - (@ 120 hr/crop season)	Hr	120	10	1200
	Labour charge ( 8 MD/crop season)	MD	12	126	1512
6	<b>Insect-pest and disease management</b>				
	Prophenphos (6 spray @ 100 ml/ spray)	Litre	0.6	500	300
	Calixin (4 spray @ 100ml/spray)	Litre	0.4	800	320
	Phorate	Kg	5	130	650
	Labour for spraying (0.5 MD/spray)	MD	6	126	756
7	<b>Harvesting</b>				
	Picking - 32 times (1/2 MD for each picking)	MD	16	126	2016
	Packaging & marketing-32 times (1/4 MD/packing)	MD	8	126	1008
	Miscellaneous including packaging materials	LS			5370
	<b>Grand Total</b>				<b>59200</b>
8	<b>Income from fruit yield</b>	Qtl	30	4000	<b>120000</b>
9	<b>Net profit</b>				<b>60800</b>

**Protected cultivation- Tomato, Cherry tomato**

Area: 1000 sqm (17 beds of 24 m long & 1m wide)		Tomato			
Density: 1667 (60cm X 40cm)		Duration-6-8 months			
Sl No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)
<b>1 Preparation of beds.</b>					
	Ploughing by tractor with one M.B. plough	Hr	0.5	500	250
	Ploughing by cultivator (2 times)	Hr	0.5	300	150
	Disinfection with formalin (cost of formalin)	Litre	1	600	600
	Disinfection with formalin & earthing up	MD	3	126	378
	Preparation of beds	MD	5	126	630
<b>2 Manures and Chemical Fertilizers</b>					
	Vermicompost (2kg/sqm=8q)	Qtl	8	700	5600
	Oil cake (@2 kg/sqm =8q)	Qtl	8	1800	14400
	SSP (@ 1Kg/bed =16kg)	Kg	16	9	144
	M.P (@ 1Kg/bed=16kg)	Kg	16	18	288
	19:19:19 (@2% on every 4th day =16kg)	Kg	16	300	4800
	Calcium Nitrate (@2% on every 4th day =12kg)	Kg	12	150	1800
	0:52:34 (@2% on every 4th day =20kg)	Kg	20	320	6400
	Fertilizer application (2hrs/spray=36 MD)	MD	36	126	4536
<b>3 Seed and Sowing</b>					
	Seedling (1667 /polyhouse)	Nos	1700	1.5	2550
	Seedling transplanting ( 4 MD, 1day)	MD	4	126	504
<b>4 Training</b>					
	Sutli	Kg	30	60	1800
	Wire for training	Kg	45	60	2700
	Tying of plant with sutli(@ 2 MD for 15 days)	MD	30	126	3780
	Crop management (@ 1 MD for 25 days)	MD	25	126	3150
<b>5 Irrigation through drip</b>					
	1hr alternate days - (@ 150 hr/crop season)	Hr	150	10	1500
	Labour charge ( 12 MD/crop season)	MD	14	126	1764
<b>6 Insect-pest and disease management</b>					
	Prophenphos (8 spray @100 ml/ spray)	Litre	0.8	500	400
	Calixin (6 spray @ 100ml/spray)	Litre	0.6	800	480
	Phorate	Kg	5	130	650
	Labour for spraying (0.5 MD/spray)	MD	7	126	882
<b>7 Harvesting</b>					
	Picking - 64 times (1/2 MD for each picking)	MD	32	126	4032
	Packaging & marketing-64 times (1/4 MD/packing)	MD	16	126	2016
	Miscellaneous including packaging materials	LS			6616
	<b>Grand Total</b>				<b>72800</b>
8	Income from fruit yield	Qtl	80	1500	120000
9	Net profit				<b>47200</b>

Cherry tomato		
Duration-8-12 months		
Nos	Rate (Rs.)	Cost (Rs.)
0.5	500	250
0.5	300	150
1	600	600
3	126	378
5	126	630
8	700	5600
8	1800	14400
16	9	144
16	18	288
16	300	4800
12	150	1800
20	320	6400
36	126	4536
1700	2.5	4250
4	126	504
30	60	1800
45	60	2700
30	126	3780
25	126	3150
250	10	2500
20	126	2520
0.8	500	400
0.6	800	480
5	130	650
7	126	882
32	126	4032
16	126	2016
		6960
		<b>76600</b>
40	4000	160000
		<b>83400</b>

**Protected cultivation- Cucumber (Parthenocarpic)**

Area: 1000 sqm (17 beds of 24 m long & 1m wide)		Cucumber			
Density: 2700 (50cm X 30cm)		Duration-3-4 months			
Sl No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)
<b>1 Preparation of beds.</b>					
	Ploughing by tractor with one M.B. plough	Hr	0.5	500	250
	Ploughing by cultivator (2 times)	Hr	0.5	300	150
	Disinfection with formalin (cost of formalin)	Litre	1	600	600
	Disinfection with formalin & earthing up	MD	3	126	378
	Preparation of beds	MD	5	126	630
<b>2 Manures and Chemical Fertilizers</b>					
	Vermicompost (1.5kg/sqm=6q)	Qtl	6	700	4200
	Oil cake (@1.0 kg/sqm =4q)	Qtl	4	1800	7200
	SSP (@500g/bed =8kg)	Kg	8	9	72
	MOP (@500g/bed=8kg)	Kg	8	18	144
	19:19:19 (@2% on every 4th day =8kg)	Kg	8	300	2400
	Calcium Nitrate (@2% on every 4th day =8kg)	Kg	8	150	1200
	0:52:34 (@2% on every 4th day =14kg)	Kg	8	320	2560
	Fertilizer application (2hrs/spray=18 MD)	MD	18	126	2268
<b>3 Seed and Sowing</b>					
	Seedling (2700 /polyhouse)	Nos	2700	6	16200
	Seedling transplanting ( 4 MD, 1day)	MD	4	126	504
<b>4 Training</b>					
	Sutli	Kg	20	60	1200
	Wire for training	Kg	30	60	1800
	Tying of plant with sutli(@ 2 MD for 2 days)	MD	4	126	504
	Crop management (@ 1 MD for 15 days)	MD	15	126	1890
<b>5 Irrigation through drip</b>					
	1hr alternate days -(@ 60 hr/crop season)	Hr	60	10	600
	Labour charge ( 12 MD/crop season)	MD	4	126	504
<b>6 Insect-pest and disease management</b>					
	Prophenphos (3 spray @100 ml/ spray)	Litre	0.3	500	150
	Calixin (2 spray @ 100ml/spray)	Litre	0.2	800	160
	Phorate	Kg	5	130	650
	Labour for spraying (0.5 MD/spray)	MD	3	126	378
<b>7 Harvesting</b>					
	Picking -32 times (1/2 MD for each picking)	MD	16	126	2016
	Packaging & marketing-32 times (1/8 MD/packing)	MD	4	126	504
	Miscellaneous including packaging materials	LS			4988
	<b>Grand Total</b>				<b>54100</b>
8	Income from fruit yield	Qtl	45	1500	67500
9	Net profit				<b>13400</b>



**Protected cultivation- Coriander**

Area: 1000 sqm (17 beds of 24 m long & 1m wide)		Coriander			
Density: 26666 (15cm X 8-10cm)- Five row		Duration-2 months			
Sl No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)
1	<b>Preparation of beds.</b>				
	Ploughing by tractor with one M.B. plough	Hr	0.5	500	250
	Polughing by cultivator (2 times)	Hr	0.5	300	150
	Disinfection with formalin (cost of formalin)	Litre	1	600	600
	Disinfection with formalin & earthing up	MD	3	126	378
	Preparation of beds	MD	5	126	630
2	<b>Manures and Chemical Fertilizers</b>				
	Compost (10kg/sqm=40q)	Qtl	40	80	3200
	Oil cake (@1 kg/sqm =4q)	Qtl	4	1800	7200
	SSP (@ 500g/bed =8 kg)	Kg	8	9	72
	MOP (@ 500g/bed=8 kg)	Kg	8	18	144
	19:19:19 (@2% on every 4th day =4 kg)	Kg	4	300	1200
	Calcium Nitrate(@2% on every 4th day =4kg)	Kg	4	150	600
	0:52:34 (@2% on every 4th day = 7 kg)	Kg	7	320	2240
	Fertilizer application (2hrs/spray=9 MD)	MD	9	126	1134
3	<b>Seed and Sowing</b>				
	Seed (30000 /polyhouse)	Kg	0.5	400	200
	Seed treatment & sowing ( 2 MD, 1day)	MD	2	126	252
4	<b>Irrigation through drip &amp; crop management</b>				
	1hr alternate days - (@30 hr/crop season)	Hr	30	10	300
	Labour charge ( 2 MD/crop season)	MD	4	126	504
	Crop management ( 10 MD/crop season)	MD	10	126	1260
5	<b>Insect-pest and disease management</b>				
	Prophenphos (1 spray @100 ml/ spray)	Litre	0.1	500	50
	Calixin (1 spray @ 100ml/spray)	Litre	0.1	800	80
	Phorate	Kg	2.5	130	325
	Labour for spraying (0.5 MD/spray)	MD	2	126	252
6	<b>Harvesting</b>				
	Picking - 2 times (1 MD for each picking)	MD	2	126	252
	Packaging & marketing-2 times (1 MD/packing)	MD	2	126	252
	Miscellaneous including packaging materials	LS			2179
	<b>Grand Total</b>				<b>23500</b>
7	<b>Income from leaf yield</b>	Qtl	20	3000	<b>60000</b>
8	<b>Net profit</b>				<b>36500</b>

**Protected cultivation- Lettuce**

Area: 1000 sqm (17 beds of 24 m long & 1m wide)		Lettuce			
Density: 3333 (40cm X 30cm)		Duration-4 months			
Sl No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)
1	<b>Preparation of beds.</b>				
	Ploughing by tractor with one M.B. plough	Hr	0.5	500	250
	Polughing by cultivator (2 times)	Hr	0.5	300	150
	Disinfection with formalin (cost of formalin)	Litre	1	600	600
	Disinfection with formalin & earthing up	MD	3	126	378
	Preparation of beds	MD	5	126	630
2	<b>Manures and Chemical Fertilizers</b>				
	Compost (10kg/sqm=40q)	Qtl	40	80	3200
	Oil cake (@1 kg/sqm =4q)	Qtl	4	1800	7200
	SSP (@ 500g/bed =8 kg)	Kg	8	9	72
	MOP (@ 500g/bed=8 kg)	Kg	8	18	144
	19:19:19 (@2% on every 4th day =8 kg)	Kg	8	300	2400
	Calcium Nitrate(@2% on every 4th day =8kg)	Kg	8	150	1200
	0:52:34 (@2% on every 4th day = 8 kg)	Kg	8	320	2560
	Fertilizer application (2hrs/spray=18 MD)	MD	18	126	2268
3	<b>Seed and Sowing</b>				
	Seedling (3300 /polyhouse)	Nos	3300	1	3300
	Seedling transplanting ( 4 MD, 1day)	MD	4	126	504
4	<b>Irrigation through drip</b>				
	1hr alternate days -(@ 60 hr/crop season)	Hr	60	10	600
	Labour charge ( 12 MD/crop season)	MD	8	126	1008
	Crop management ( 10 MD/crop season)	MD	10	126	1260
5	<b>Insect-pest and disease management</b>				
	Prophenphos (3 spray @100 ml/ spray)	Litre	0.3	500	150
	Calixin (2 spray @ 100ml/spray)	Litre	0.2	800	160
	Phorate	Kg	5	130	650
	Labour for spraying (0.5 MD/spray)	MD	3	126	378
6	<b>Harvesting</b>				
	Picking -4 times (1/2 MD for each picking)	MD	2	126	252
	Packaging & marketing-4 times (1/2 MD/packing)	MD	2	126	252
	Miscellaneous including packaging materials	LS			2934
	<b>Grand Total</b>				<b>32500</b>
7	<b>Income from head yield</b>	Qtl	25	2500	<b>62500</b>
8	<b>Net profit</b>				<b>30000</b>

lettuce	
n-4 months	
ate	Cost
s.)	(Rs.)
	250
	150
	600
	378
	630
	3200
	7200
	72
	144
	2400
	1200
	2560
	2268
	3300
	504
	600
	1008
	1260
	150
	160
	650
	378
	252
	252
	2934
	32500
	62500
	30000

Protected cultivation- Cole crops																				
Area: 1000 sqm (17 beds of 24 m long & 1m wide)					Cabbage			Cauliflower			Broccoli			Chinese cabbage			Knol khol			
Density: 3333 (40cm X 30cm)					Duration-4 months			Duration-4 months			Duration-4 months			Duration-4 months			Duration-4 months			
Sl No	Components of cost				Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
1	<b>Preparation of beds.</b>																			
	Ploughing by tractor with one M.B. plough				Hr	0.5	500	250	0.5	500	250	0.5	500	250	0.5	500	250	0.5	500	250
	Poloughing by cultivator (2 times)				Hr	0.5	300	150	0.5	300	150	0.5	300	150	0.5	300	150	0.5	300	150
	Disinfection with formalin (cost of formalin)				Litre	1	600	600	1	600	600	1	600	600	1	600	600	1	600	600
	Disinfection with formalin & earthing up				MD	3	126	378	3	126	378	3	126	378	3	126	378	3	126	378
	Preparation of beds				MD	5	126	630	5	126	630	5	126	630	5	126	630	5	126	630
2	<b>Manures and Chemical Fertilizers</b>																			
	Compost (10kg/sqm=40q)				Qtl	40	80	3200	40	80	3200	40	80	3200	40	80	3200	40	75	3000
	Oil cake (@1 kg/sqm =4q)				Qtl	4	1800	7200	4	1800	7200	4	1800	7200	4	1800	7200	4	1800	7200
	SSP (@ 500g/bed =8 kg)				Kg	8	9	72	8	9	72	8	9	72	8	9	72	8	9	72
	MOP (@ 500g/bed=8 kg)				Kg	8	18	144	8	18	144	8	18	144	8	18	144	8	18	144
	19:19:19 (@2% on every 4th day =8 kg)				Kg	8	300	2400	8	300	2400	8	300	2400	8	300	2400	8	300	2400
	Calcium Nitrate(@2% on every 4th day =8kg)				Kg	8	150	1200	8	150	1200	8	150	1200	8	150	1200	8	150	1200
	0:52:34 (@2% on every 4th day = 8 kg)				Kg	8	320	2560	8	320	2560	8	320	2560	8	320	2560	8	320	2560
	Fertilizer application (2hrs/spray=18 MD)				MD	18	126	2268	18	126	2268	18	126	2268	18	126	2268	18	126	2268
3	<b>Seed and Sowing</b>																			
	Seedling (3300 /polyhouse)				Nos	3300	1.5	4950	3300	1.5	4950	3300	3	9900	3300	3	9900	3300	1.5	4950
	Seedling transplanting ( 4 MD, 1day)				MD	4	126	504	4	126	504	4	126	504	4	126	504	4	126	504
4	<b>Irrigation through drip &amp; crop management</b>																			
	1hr alternate days -(@ 60 hr/crop season)				Hr	60	10	600	60	10	600	60	10	600	60	10	600	60	10	600
	Labour charge ( 12 MD/crop season)				MD	8	126	1008	8	126	1008	8	126	1008	8	126	1008	8	126	1008
	Crop management (@ 1 MD for 10 days)				MD	10	126	1260	10	126	1260	10	126	1260	10	126	1260	10	126	1260
5	<b>Insect-pest and disease management</b>																			
	Prophenphos (3 spray @100 ml/ spray)				Litre	0.3	500	150	0.3	500	150	0.3	500	150	0.3	500	150	0.3	500	150
	Calixin (2 spray @ 100ml/spray)				Litre	0.2	800	160	0.2	800	160	0.2	800	160	0.2	800	160	0.2	800	160
	Phorate				Kg	5	130	650	5	130	650	5	130	650	5	130	650	5	130	650
	Labour for spraying (0.5 MD/spray)				MD	3	126	378	3	126	378	3	126	378	3	126	378	3	126	378
6	<b>Harvesting</b>																			
	Picking -4 times (1/2 MD for each picking)				MD	2	126	252	2	126	252	2	126	252	2	126	252	2	126	252
	Packaging & marketing-4 times (1/2 MD/packing)				MD	2	126	252	2	126	252	2	126	252	2	126	252	2	126	252
	Miscellaneous including packaging materials				LS			3184			3184			3534			3534			3184
	<b>Grand Total</b>							<b>34400</b>			<b>34400</b>			<b>39700</b>			<b>39700</b>			<b>34200</b>
7	<b>Income from crop yield</b>				Qtl	40	1500	<b>60000</b>	30	2000	<b>60000</b>	20	3000	<b>60000</b>	20	3000	<b>60000</b>	30	1500	<b>45000</b>
8	<b>Net profit</b>							<b>25600</b>			<b>25600</b>			<b>20300</b>			<b>20300</b>			<b>10800</b>



**Protected cultivation- Gerbera and Rose**

Area: 1000 sqm (35 beds of 24 m long & 60 cm wide) (Bed size: Height 45 cm, width 60 cm, pathway 30 cm)			Gerbera						Rose					
			1st year			2nd-3rd year			1st year			2nd-5th year		
			Density: 6000 (37.5 cm X 30 cm) or @6 plants/sq m						Density:6000 (37.5 cm X 30 cm) or @6 plants/sq m					
Sl No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)	Nos	Rate (Rs.)	Cost (Rs.)
1	<b>Preparation of beds.</b>													
	Ploughing by tractor with one M.B. plough	Hr	0.5	500	250				0.5	500	250			
	Poloughing by cultivator (2 times)	Hr	0.5	300	150				0.5	300	150			
	Disinfection with formalin (cost of formalin)	Litre	1	600	600				1	600	600			
	Disinfection with formalin & earthing up	MD	3	126	378				3	126	378			
	Preparation of beds	MD	5	126	630				5	126	630			
2	<b>Manures and Chemical Fertilizers</b>													
	Vermicompost (8kg/sqm=32q)	Qtl	32	700	22400	16	700	11200	32	700	22400	16	700	11200
	Oil cake (@6 kg/sqm =24q)	Qtl	24	1800	43200	16	1800	28800	24	1800	43200	16	1800	28800
	SSP (@ 1Kg/bed =16kg)	Kg	16	9	144	16	9	144	16	9	144	16	9	144
	MOP (@ 1Kg/bed=16kg)	Kg	16	18	288	16	18	288	16	18	288	16	18	288
	NPK::19:19:19 (@2% on every 7-10th day =25kg)	Kg	25	300	7500	25	300	7500	25	300	7500	25	300	7500
	Calcium Nitrate (@2% on every 7-10th day =25 kg)	Kg	25	150	3750	25	150	3750	25	150	3750	25	150	3750
	0:52:34 (@2% on every 7-10th day =25 kg)	Kg	25	320	8000	25	320	8000	25	320	8000	25	320	8000
	Micronutrients (9g / 100 sqm on 7-10th day=4 kg)	Kg	4	250	1000	4	250	1000	4	250	1000	4	250	1000
	Fertilizer application (2hrs/spray=54 MD)	MD	54	126	6804	54	126	6804	54	126	6804	54	126	6804
3	<b>Seed and Sowing</b>													
	Seedling (6000 /polyhouse)	Nos	6000	22	132000				6000	30	180000			
	Seedling transplanting ( 6 MD, 1 day)	MD	6	126	756				6	126	756			
4	<b>Crop management</b>													
	Crop management (@ 1 MD for 90 days)	MD	90	126	11340	90	126	11340	90	126	11340	90	126	11340
5	<b>Irrigation through drip</b>													
	1hr alternate days - (@ 365 hr/crop season)	Hr	365	10	3650	365	10	3650	365	10	3650	365	10	3650
	Labour charge ( 20 MD/crop season)	MD	20	126	2520	20	126	2520	20	126	2520	20	126	2520
6	<b>Insect-pest and disease management</b>													
	Prophenphos (12 spray @ 100 ml/ spray)	Litre	1.2	500	600	1.2	500	600	1.2	500	600	1.2	500	600
	Calixin (9 spray @ 100ml/spray)	Litre	0.9	800	720	0.9	800	720	0.9	800	720	0.9	800	720
	Phorate	Kg	5	130	650				5	130	650			
	Labour for spraying (0.5 MD/spray)	MD	11	126	1386	10	126	1260	11	126	1386	10	126	1260
7	<b>Harvesting</b>													
	Picking - (1/2 MD for each picking)-3 days interval	MD	61	126	7686	122	126	15372	61	126	7686	122	126	15372
	Packaging & marketing-(1/2 MD for each packing)	MD	61	126	7686	122	126	15372	61	126	7686	122	126	15372
	Packaging materials	LS			50000			75000			50000			75000
	Miscellaneous, cool chamber mentenance	LS			31412			19380			36212			19380
	<b>Grand Total</b>				<b>345500</b>			<b>212700</b>			<b>398300</b>			<b>212700</b>
8	Flower yield per plant	Nos			<b>25</b>			<b>35</b>			<b>12</b>			<b>20</b>
	Total flower yield	Nos			<b>187500</b>			<b>262500</b>			<b>90000</b>			<b>150000</b>
	Income from flower yield	Rs.		2	<b>375000</b>		2	<b>525000</b>		3	<b>270000</b>		3	<b>450000</b>
9	<b>Net profit</b>	Rs.			<b>29500</b>			<b>312300</b>			<b>-128300</b>			<b>237300</b>

Sl No	Comp A. No
1	Utensi
2	Refrac
3	Mixie
4	Crown c
5	Pressu

Sl No	Comp B. Re
1	Red to
2	Sugar
3	Acetic
4	Sodiu
5	Onion
6	spices
7	Fuel c
8	Bottle
9	Labou
10	Misce

Sl No	Comp B. Re
1	Green
2	Potato
3	Acetic
4	Sodiu
5	Salt
6	Black
7	Fuel c
8	Bottle
9	Labou
10	Misce

Sauces (Home made)						
Sl	Components of cost		Unit	Nos	Rate (Rs.)	Cost (Rs.)
No	A. Non Recurring					
1	Utensils		Nos	1	10000	10000
2	Refractometer		Nos	1	2500	2500
3	Mixie		Nos	1	3500	3500
4	Crown corking machine		Nos	1	2000	2000
5	Pressure cooker		Nos	1	2000	2000
<b>TOTAL</b>						<b>20000</b>

TOMATO SAUCE						
B. Recurring						
1	Red tomato	Kg	30	4.00	120	
2	Sugar	Kg	3	38	114	
3	Acetic acid (Glacial)	ml	150	0.2	30	
4	Sodium Benzoate	g	20	0.5	10	
5	Onion	Kg	2.5	8	20	
6	spices & condiments	LS			150	
7	Fuel cahrges	LS			50	
8	Bottle with lid (1 litre)	MD	15	3	45	
9	Labour Charges	Nos	1	126	126	
10	Miscellaneous	LS			35	
<b>GRAND TOTAL</b>						<b>700</b>
Production of sauce		Kg			15	
Gross income		Rs.		90	1350	
Net income		Rs.			650	

CHILLI SAUCE						
B. Recurring						
1	Green Chilli	Kg	10	10.00	100	
2	Potato	Kg	2.5	8.00	20	
3	Acetic acid (Glacial)	ml	150	0.2	30	
4	Sodium Benzoate	g	20	0.5	10	
5	Salt	Kg	0.3	12	4	
6	Black salt	Kg	0.5	60	30	
7	Fuel cahrges	LS			50	
8	Bottle with lid (1 litre)	MD	10	3	30	
9	Labour Charges	Nos	1	126	126	
10	Miscellaneous	LS			50	
<b>GRAND TOTAL</b>						<b>450</b>
Production of sauce		Kg			10	
Gross income		Rs.		90	900	
Net income		Rs.			450	

Jam & Jelly (Home made)						
Sl	Components of cost		Unit	Nos	Rate (Rs.)	Cost (Rs.)
No	A. Non Recurring					
1	Utensils		Nos	1	12400	12400
2	Refractometer		Nos	1	2500	2500
3	Mixie		Nos	1	3500	3500
4	Thermometer		Nos	1	600	600
5	Jel meter		Nos	1	1000	1000
<b>TOTAL</b>						<b>20000</b>

JAM						
B. Recurring						
1	Fruit juice	Kg	10	20	200	
2	Sugar	Kg	10	38	380	
3	Citric acid	ml	100	0.2	20	
4	Potassium metabisulphite	g	15	0.5	7.5	
5	Essence	ml	15	0.4	6	
6	Colour (Food grade)	g	2	0.4	1	
7	Fuel cahrges	LS			50	
8	Bottle with lid (500 ml)	MD	20	3	60	
9	Labour Charges	Nos	1	126	126	
10	Miscellaneous	LS			36	
<b>GRAND TOTAL</b>						<b>886</b>
Production of jam		Kg			15	
Gross income		Rs.		100	1500	
Net income		Rs.			614	

JELLY						
B. Recurring						
1	Fruit juice	Kg	10	20	200	
2	Sugar	Kg	10	38	380	
3	Citric acid	ml	100	0.2	20	
4	Potassium metabisulphite	g	15	0.5	7.5	
5	Pectine (Food grade)	ml	100	1	100	
6	Essence	ml	15	0.4	6	
7	Colour (150 Food grade)	g	2	0.4	1	
8	Fuel cahrges	LS			50	
9	Bottle with lid (500 ml)	MD	20	3	60	
10	Labour Charges	Nos	1	126	126	
11	Miscellaneous	LS			50	
<b>GRAND TOTAL</b>						<b>1000</b>
Production of jelly		Kg			15	
Gross income		Rs.		100	1500	
Net income		Rs.			500	

Squash & Nectar (Home made)						
Sl	Components of cost		Unit	Nos	Rate (Rs.)	Cost (Rs.)
No	A. Non Recurring					
1	Utensils		Nos	1	10000	10000
2	Refractometer		Nos	1	2500	2500
3	Mixie		Nos	1	3500	3500
4	Crown corking machine		Nos	1	2000	2000
5	Citrus juicer/puncher		Nos	1	2000	2000
<b>TOTAL</b>						<b>20000</b>

SQUASH						
B. Recurring						
1	Fruit juice	Kg	10	20	200	
2	Sugar	Kg	18	38	684	
3	Citric acid	ml	100	0.2	20	
4	Potassium metabisulphite	g	20	0.5	10	
5	Essence	ml	15	0.4	6	
6	Colour (Food grade)	g	2	0.4	1	
7	Fuel cahrges	LS			25	
8	Bottle with lid (700ml)	Nos	40	3	120	
9	Labour Charges	Nos	1	126	126	
10	Miscellaneous	LS			58	
<b>GRAND TOTAL</b>						<b>1250</b>
Production of squash		Litre			26	
Gross income		Rs.		70	1820	
Net income		Rs.			570	

NECTAR						
B. Recurring						
1	Fruit juice	Kg	10	20	200	
2	Sugar	Kg	7	38	266	
3	Citric acid	ml	100	0.2	20	
4	Potassium metabisulphite	g	25	0.5	12.5	
5	Water	Litre	21			
6	Essence	ml	15	0.4	6	
7	Colour (Food grade)	g	2	0.4	1	
8	Fuel cahrges	LS			25	
9	Bottle with lid(700ml)	Nos	50	3	150	
10	Labour Charges	Nos	1	126	126	
11	Miscellaneous	LS			44	
<b>GRAND TOTAL</b>						<b>850</b>
Production of nectar		Kg			35	
Gross income		Rs.		50	1750	
Net income		Rs.			900	



COST-BENEFIT ANALYSIS OF ONION STORAGE STRUCTURE							
Sl. No	Components of cost	Unit	Capacity of onion storage structure				
			2 MT	25 MT	50 MT	100 MT	200 MT
<b>A. FIXED COST</b>							
1	Construction	Rs.	16000	100000	600000	900000	1500000
2	Life span	Years	8	10	40	40	40
<b>Annual fixed cost</b>							
1	Yearly depreciation	Rs.	2000	10000	15000	22500	37500
2	Yearly interest on investment (@14.5%)	Rs.	2320	14500	87000	130500	217500
3	Yearly maintenance (@2%)	Rs.	320	2000	12000	18000	30000
<b>Sub Total A</b>			<b>4640</b>	<b>26500</b>	<b>114000</b>	<b>171000</b>	<b>285000</b>
<b>B. RECURRING COST</b>							
	Onion to be stored	Qtl	20	250	500	1000	2000
1	Procurement price @Rs.5/kg at harvest	Rs.	10000	125000	250000	500000	1000000
2	Transportation charges (@5%)	Rs.	500	6250	12500	25000	50000
3	Grading, Loading, unloading & bagging (@5%)	Rs.	500	6250	12500	25000	50000
4	Handling charges for 4 months (@5%)	Rs.	500	6250	12500	25000	50000
5	Cost of bags (@Rs.5/bag)	Rs.	212.5	2656.3	5312.5	10625	21250
6	Interest on investment (@14.5% for 4 months)	Rs.	483	6042	12083	24167	48333
<b>Sub Total B</b>			<b>12196</b>	<b>152448</b>	<b>304896</b>	<b>609792</b>	<b>1219583</b>
<b>C. SELL OF ONION</b>							
1	Onion to be sold (85% recovery)	Qtl	17	212.5	425	850	1700
2	Income @Rs.15/kg after 4 months	Rs.	25500	318750	637500	1275000	2550000
3	Total annual investment (A+B)	Rs.	16836	178948	418896	780792	1504583
4	Net profit in 4 months	Rs.	8664	139802	218604	494208	1045417
5	Benefit-Cost ratio		151	178	152	163	169

Mushroom production (Small scale)					
Sl. No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)
1	Construction of house	Nos	1	20000	20000
2	Water tank	Nos	1	5000	5000
3	Water pump	Nos	1	3000	3000
4	Sprayer	Nos	1	2000	2000
5	Straw cutting machine	Nos	1	2000	2000
6	Bamboo racks	Nos	15	150	2250
7	Miscellaneous	Nos	1	2000	750
<b>Total</b>					<b>35000</b>

PADDY STRAW (120 beds per month)					
Sl. No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)
1	Paddy straw @10 kg/bed	Kg	1200	1.50	1800
2	Spawn	Kg	24	50	1200
3	Pulse @ 125g/bed	Kg	15	75	1125
4	Paddy husk@ 125g/bed	Kg	15	7	105
5	Polythene sheet	Kg	1	138	138
6	Labour Charges	MD	15	126	1890
7	Polythene for packing	LS	1	138	138
8	Miscellaneous	LS			604
<b>GRAND TOTAL</b>					<b>7000</b>
Production of mushroom		Kg			180
Gross income		Rs.		70	12600
Net income per month		Rs.			5600

OYESTER / DHINGRI (225 bags per 2-months)					
Sl. No	Components of cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)
1	Paddy straw @2 kg/bag	Kg	450	1.50	675
2	Spawn	Kg	45	50	2250
3	Wheat @ 250 g/bag	Kg	56	20	1120
4	Polythene bag (80 X 40)	Kg	2	138	276
5	Labour Charges	MD	30	126	3780
6	Polythene for packing	LS	1	138	138
7	Miscellaneous	LS			861
<b>GRAND TOTAL</b>					<b>9100</b>
Production of mushroom		Kg			337.5
Gross income		Rs.		50	16875
Net income per 2-months		Rs.			7775

7775
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105
1125
1200
1800

35000
750
2250
2000
3000
5000
20000
Cost (Rs.)

**Mushroom Production (Capacity: Approximate 25 kg mushrooms per day)**

FIXED COST	Amount (Rs.)
a. Cost of construction & buildings	150000
i. Cost of construction of shed 2500 sqft (5 nos of 500 sqft)	
500 (25' X 20') sqft @ Rs. 100/ sqft	5000
ii. Cost of soaking tanks 100 cft (2 nos of 100 cft)	
100 cft (5' X 5' X 4') cft @ Rs. 50/ cft	15000
Sub total	7500
c. Cost of machinery	5000
i. Cost of 1 chaff cutter with motor	500
ii. Sprayer ( Two nos- one for irrigation & one for disinfection)	500
iii. Thermometer (1 no)	500
iv. Hygrometer (1 no)	6000
v. Packaging machine (1 no)	5000
vi. 0.5 hp pump set with accessories	15000
v. Cost of racks	39500
Sub total	194500

Total Fixed Expenditure	Amount (Rs.)
<b>RECURRING COST</b>	
a. Wages and Salary	48000
i. Labour (1 no) @ Rs.4000/- month/person	48000
Sub total	176250
b. Raw materials (7500 beds PSM & 1500 beds Oyster)	7500
i. Cost of paddy straw (141000 kg and @Rs. 1.25/kg) (including 10% contamination and 20% wastage on straw) (@ 15 kg per PSM bed and 2 kg per Oyster bed)	90000
ii. Cost of wheat grains (500 kg) @ Rs. 1500/q (@200g/bed) for Oyster mushrooms	7500
iii. Cost of pulse powder (1500 kg) @ Rs. 6000/q (@200g/bed) for paddy straw mushrooms	90000
iv. Cost of Calcium Carbonate (250 kg) @ Rs. 50/kg (@25g/bed)	12500
v. Cost of Carbendazim (12.5 kg) @ Rs. 700/kg (@10g/bed + disinfection of surroundings)	8750
vi. Cost of polypropylene bags (37.5 kg) @ Rs. 125/kg (@ 15 g per oyster bed)	4687.5
vii. Cost of polythene sheet for covering PSM beds @Rs. 110/kg (250 kg & @ 200 g/bed for 1250 beds & reused)	27500
viii. Cost of polythene carry bags for packing @Rs. 125/kg (100 kg & @ 200 nos/kg for 10000 kg)	6250
viii. Cost of spawn (3500 kg) @ Rs. 50/kg	175000
vii. Energy consumption/year	2000
viii. Miscellaneous (Cost of disinfectants, gloves etc.)	5562.5
Sub total	339750
<b>Total Recurring Expenditure</b>	<b>387750</b>

COST OF MUSHROOM PRODUCTION AND RETURN	
1. Cost of Production	Amount (Rs.)
i. Interest and depreciation	
a. On buildings (@ 20% depreciation)	31000
(@ 12.5% interest)	19375
b. On machineries (@ 10% depreciation)	3950
(@ 12.5% interest)	4937.5
ii. Wage salary	48000
iii. Raw materials	339750
<b>Total cost of Production per annum (Rs.)</b>	<b>447013</b>
a. Sell of 7500 kg of paddy straw mushroom @Rs. 70/kg	525000
b. Sell of 2500 kg of oyster mushroom @Rs. 40/kg	100000
<b>Total return per annum (Rs.)</b>	<b>625000</b>
<b>3. Net Profit per annum (Rs.)</b>	<b>177988</b>

Mushroom spawn production	
Capacity: 25 spawn polypacks (400 g) per day	
<b>FIXED COST</b>	Available
a. Land procurement and development	
b. Cost of construction & buildings	
i. Cost of construction of 15 sqm RCC @ Rs.8000/ sqm	120000
ii. Cost of insulation of incubation room and cold store 50 sqm @ Rs.500/- sqm	25000
<b>Sub total</b>	<b>145000</b>
c. Cost of machinery	
i. Cost of 1 AC of 1.0 ton capacity	30000
ii. Autoclave (2 nos)	50000
iii. Laminar flow	150000
iv. Refrigerator (1 no)	10000
v. BOD incubator	75000
vi. pH meter (1 no)	5000
vii. Gas stove( 1 no)	3000
viii. Weighing balance (1 no)	2000
ix. Iron racks	20000
<b>Sub total</b>	<b>345000</b>
<b>Total Fixed Expenditure</b>	<b>490000</b>

RECURRING COST	
a. Wages and Salary	
i. Labour (1 no) @ Rs.4000/- month/person	48000
ii. Technical assistant (1 no) @Rs.6000/- month/person	72000
<b>Sub total</b>	<b>120000</b>
b. Raw materials	
i. Cost of wheat grains (22.5 q) @ Rs. 1500/q (Considering 1.8 kg spawn /kg wheat and 5-10% contamination)	33750
ii. Cost of Calcium Carbonate (11.25 kg) @ Rs.50/kg	562.5
iii. Cost of Calcium Sulphate (37.5 kg) @ Rs.50/per kg	1875
iv. Cost of non-absorbent cotton (37.5 kg) @ Rs. 65/kg	2437.5
v. Cost of polypropylene rings	937.5
vi. Cost of polypropylene bags (26 kg) @ Rs.125/kg	3250
vii. Energy consumption/year	7500
viii. Miscellaneous (Cost of disinfectants, gloves etc.)	5087.5
<b>Sub total</b>	<b>55400</b>
<b>Total Recurring Expenditure</b>	<b>175400</b>

COST OF SPAWN PRODUCTION AND RETURN	
1. Cost of Production	Amount (Rs.)
i. Interest and depreciation	
a. On buildings (@ 5% depreciation)	7250
(@ 12.5% interest)	18125
b. On machineries (@ 10% depreciation)	34500
(@ 12.5% interest)	43125
ii. Wage salary	120000
iii. Raw materials	55400
<b>Total cost of Production per annum (Rs.)</b>	<b>278400</b>
<b>2. Return</b>	
a. Sell of 3750 kg of spawn @Rs.50/kg	750000
<b>3. Net Profit per annum (Rs.)</b>	<b>471600</b>



Large Volume Sprinklers (Rainguns)			
Area	63 mm	75 mm	90 mm
More than 0.4ha-1ha	28681	34513	NA
More than 1 ha-2 ha	NA	43786	NA
More than 2ha - 3ha	NA	NA	62229
More than 3 ha - 4 ha	NA	NA	72128
More than 4 ha - 5ha	NA	NA	79210

Sl. No.	Particulars	Green House/ Poly House		Shade Net	20700
		504 Sqm	100 Sqm		
1	a) High Cost	63250	24150		
	b) Naturally Ventilated				
2				51750	

Drip Irrigation/Fogging/Misting System under Protected Cultivation.

Lateral Spacing (mXm)	Area (Ha)				
	0.2	0.4	1	2	3
12X12	9266	15853	21643	34417	53437
10X10	9554	16419	23047	37171	57647
9X9	9763	16826	24035	39145	60610
8X8	9974	17351	25332	41650	64500
6X6	10916	19096	30534	51045	82472
5X5	11570	20674	34664	59154	85484
4X4	12854	21414	36562	64084	99965
3X3	13901	23055	42034	72759	112065
2.5X2.5	17180	31156	60064	109345	167011
2X2	21067	36358	73138	141957	206232
<b>B.Close Spaced Crops</b>					
1.5X1.5	24741	41369	85063	163137	243633
2.5X0.6	17782	30810	63145	116042	177345
1.8X0.6	21628	37845	80599	152551	229637
1.2X0.6	27672	50388	112238	213400	323019
<b>A. Wide Spaced Crops</b>					
84653	66480	53437	66480		
145964	108635	85484	108635		
176457	130884	99965	130884		
176457	140936	112065	140936		
286297	234396	167011	234396		
351667	286504	206232	286504		
414002	336484	243633	336484		
302318	246276	177345	246276		
389511	312784	229637	312784		
545181	435788	323019	435788		

Micro Sprinkler and Mini Sprinkler Irrigation System	Area (ha)		Spacing of Sprinkler (mXm)
	Micro Sprinkler	Mini Sprinkler	
5	254872		383123
4	201612		312752
3	149305		242982
2	103581		160013
1	58932		85212
0.4	29613		41363
0.2	19572		Not feasible
<b>Portable Sprinkler Irrigation System</b>			
Area			
Up to 0.4 ha	11959	NA	NA
More than 0.4ha-1ha	19542	21901	NA
More than 1 ha-2 ha	28213	31372	NA
More than 2ha - 3ha	NA	NA	42345
More than 3 ha - 4 ha	NA	NA	53404
More than 4 ha - 5ha	NA	NA	60459

Semi Permanent Sprinkler Irrigation System		
Area	Cost	Up to 0.4 ha
More than 0.4ha-1ha	36607	69804
More than 1 ha-2 ha	94218	120392
More than 2ha - 3ha	146053	

Drip Irrigation/Fogging/Misting System under Protected Cultivation.

Drip Irrigation System							
Lateral Spacing (mXm)	Area (Ha)						
	0.2	0.4	1	2	3	4	5
<b>A. Wide Spaced Crops</b>							
12X12	9266	15853	21643	34417	53437	66480	84653
10X10	9554	16419	23047	37171	57647	72205	91806
9X9	9763	16826	24035	39145	60610	76238	96852
8X8	9974	17351	25332	41650	64500	81527	103459
6X6	10916	19096	30534	51045	82472	100016	125498
5X5	11570	20674	34664	59154	85484	108635	145964
4X4	12854	21414	36562	64084	99965	130884	176457
3X3	13901	23055	42034	72759	112065	140936	176457
2.5X2.5	17180	31156	60064	109345	167011	234396	286297
2X2	21067	36358	73138	141957	206232	286504	351667
<b>B. Close Spaced Crops</b>							
1.5X1.5	24741	41369	85063	163137	243633	336484	414002
2.5X0.6	17782	30810	63145	116042	177345	246276	302318
1.8X0.6	21628	37845	80599	152551	229637	312784	389511
1.2X0.6	27672	50388	112238	213400	323019	435788	545181

**Drip Irrigation/Fogging/Misting System under Protected Cultivation.**

Sl. No.	Particulars	504 Sqm	100 Sqm
1	Green House/ Poly House		
	a) High Cost	63250	24150
	b) Naturally Ventilated		
2	Shade Net	51750	20700

**Large Volume Sprinklers (Rainguns)**

Area	63 mm	75 mm	90 mm
More than 0.4ha-1ha	28681	34513	NA
More than 1 ha-2 ha	NA	43786	NA
More than 2ha - 3ha	NA	NA	62229
More than 3 ha - 4 ha	NA	NA	72128
More than 4 ha - 5ha	NA	NA	79210

**Micro Sprinkler and Mini Sprinkler Irrigation System**

Area (ha)	Micro Sprinkler	Mini Sprinkler
	Spacing of Sprinkler (mXm)	
0.2	19572	Not feasible
0.4	29613	41363
1	58932	85212
2	103581	160013
3	149305	242982
4	201612	312752
5	254872	383123

**Portable Sprinkler Irrigation System**

Area	63 mm	75 mm	90 mm
Up to 0.4 ha	11959	NA	NA
More than 0.4ha-1ha	19542	21901	NA
More than 1 ha-2 ha	28213	31372	NA
More than 2ha - 3ha	NA	NA	42345
More than 3 ha - 4 ha	NA	NA	53404
More than 4 ha - 5ha	NA	NA	60459

**Semi Permanent Sprinkler Irrigation System**

Area	Cost
Up to 0.4 ha	22557
More than 0.4ha-1ha	36607
More than 1 ha-2 ha	69804
More than 2ha - 3ha	94218
More than 3 ha - 4 ha	120392
More than 4 ha - 5ha	146053