

1. Cost of Cultivation of **Turmeric** 2024-25

S.No	Particulars	Dosage	Cost (Rs/Acre)
1	FYM	10 tonnes (One lorry load) @ Rs.20,000/- per load	20,000.00
2	Tank silt/ Black soil	20 tonnes (1 tipper load) @ Rs.5000/- per load	5000.00
3	Ploughing	4 hours @ Rs.1200/- per hour	4800.00
4	Bed formation	2 hours @ Rs.1200/- per hour	2400.00
5	Seed cost	600 kg @ 30 per Kg	18000.00
6	Seed treatment and other pesticides	Pesticides (Granules and spray) [2 Men labour, cost for spraying @Rs 500]	3000.00
7	Sowing	5 women labour @ Rs 300/- per person	1500.00
8	Weeding	6 times x 6 labour x Rs 300/- per person	10800.00
9	Fertilizers and neem cake	8 bags of Neem cake, 3 bags of vermicompost 5 bags of SSP 2 bags of MOP 3 bags of Urea 20 Kgs of Zinc	18000.00
10	Pesticides and spray	Chemicals Rs 1000/- Labour for spray 500/- (2 labour)	3000.00
11	Irrigation	30 to 40 times irrigation @ 300 per person	6,000.00
12	Manual digging of rhizomes	Leaf cutting Rs.300 x 3 labour Rhizomes Digging Rs. 800 x 10 labour Cleaning and removal of soil and roots (10 women labour @ Rs 300/- per person)	900.00 8000.00 3000.00
13	Post-harvest operations	Boiling (Steam boiling, fire wood and labour) Drying (Sun drying) Polishing (Tractor mounted) Transportation (Market)	15000.00 500.00 5,000.00 4,000.00
	Total Cost of Cultivation		1,28,900.00
	Average yield (dry/processed) Quintal / Acre [24 quintal/acre, 60 quintal/hectare]		24.00
	Cost of production (Rs/Quintal)		5370.83

Source: SKLTSHU, Hyderabad, Telangana

2. Itemwise Cost of Cultivation for **Dry Chilli** production in TELANGANA

S.No	Particulars	Cost (Rs/ha)
1	Land preparation (two times chisel plough, two harrowing, one leveling, ridges and furrows/beds, trimming of beds etc)	15000
2	Seed cost	21250
3	Bed preparation in Nursery (40x3m two men x600)	3000
4	Sowing and transplanting (10 women x350)	8750
5	Cost of Manures and fertilisers	18750
6	Cost of pesticides (sticky traps,pheromone traps)	100000
7	Manures, Fertilizers and Labour Charges for Application (5 times 3 women @each time 15women x300)	11250
8	Inter-cultivation	25000
9	Weeding for 4 times (36 members @ Rs.300/-)	27000
10	Irrigation for 4-5 times (10 men x600)	15000
11	Plant protection measures 20 sprays (10 men x600)	30000
12	Harvesting cost (3 pickings)(100 women x200)	50000
13	Grading, Packing & Transport to Market yard (10 women x350)	25000
	Total Cost of Cultivation (Rs/ha)	3,50,000
	Dry yield (State average for the last 5 years)	50 quintal/ha
	Cost of production (Rs/quintal)	Rs 7000/quintal

Source: SKLTSHU, Telangana

3. Itemwise Cost of Cultivation for **Dry Chilli** production in KARNATAKA

Sl. No.	DETAILS		Unit	Unit cost	Amt. (Rs/ha)
1	Land preparation	Manual	4	400	1600
		Tractor	2	1500	3000
		Bullock	1	950	950
2	Manures	Manures (Ton)	15	2000	30000
3	Fertilizers	DAP	156	27	4212
		Urea	265	5.4	1431
		MOP	125	20	2500
4	Seeds	Seeds(kg)	1	5000	5000
	Raising seedlings and transplanting	Prep. of beds and raising seedlings	10	300	3000
		T.P/Gap Filling	10	300	3000
6	Interculture	Manual	2	400	800
		Bullock	4	950	3800
7	Fertilizer appl.	Manual	20	400	8000
8	Irrigation	Manual	20	400	8000
9	Weedicides/Weedings	Wedicides	2	750	1500
10		Weedicide appln	3	400	1200
		Manual weeding	40	400	16000
11	Plant protection	PP Chemicals	—	40000	40000
		Manual	36	400	14400
12	Harvesting	Manual	60	400	24000
13	Processing and handling	Manual	20	400	8000
14		Miscellaneous		4000	2000
15	Total cost of cultivation (Rs/ha)				1,82,393
16	Dry yield (State average for the last 5 years)		16.42 quintal/ha		
18	Cost of Production (Rs/quintal)		Rs 11108/quintal		

Source: UAS, Dharwad, Karnataka

4. Itemwise Cost of Cultivation for **Dry Chilli (BYADAGI TYPE)** production in KARNATAKA

Sl. No.	DETAILS		Unit	Unit cost	Amt. (Rs.)
1	Land preparation	Manual (no)	4	400	1600
		Tractor (hour)	2	1500	3000
		Bullock (day)	1	950	950
2	Manures	Manures (ton)	15	2000	30000
3	Fertilizers	DAP(kg)	108	27	2916
		Urea (kg)	174	5.4	940
		MOP (kg)	83	20	1660
4	Seeds	Seeds(kg)	1	2000	2000
5	Raising seedlings and transplanting	Prep. of beds and raising seedlings (no)	10	300	3000
		Manual for T.P/Gap Filling (no)	10	300	3000
6	Interculture	Manual (no)	2	400	800
		Bullock	4	950	3800
7	Fertilizer appl.	Manual (no)	20	400	8000
8	Weedicides/Weedings	Wedicides	2	750	1500
		Weedicide appln-Manual (no)	3	400	1200
		Manual weeding	40	400	16000
9	Plant protection	PP Chemicals	—	20000	20000
		Manual (no)	24	400	9600
10	Harvesting	Manual (no)	40	400	16000
11	Processing and handling	Manual	10	400	4000
12		Miscellaneous		2000	2000
13	Total Cost of Cultivation (Rs/ha)				1,31,966
14	Dry Yield (As reported by UAS, Dharwad)		10 quintal/ha		
16	Cost of Production (Rs/quintal)		Rs 13195/quintal		

Source: UAS Dharwad, Karnataka

5. Itemwise Cost of Cultivation of **Ginger (Fresh)** in Karnataka

S.No.	Cost Components	Quantity	Cost (Rs/ha)
1.	Hired human labour	200 man days	80000
2.	Machine labour	15 hrs	15000
3.	Seed rhizome	25 qtl	125000
4.	Farmyard Manure	25 ton	50000
5.	Chemical fertilisers		55000
6.	Plant protection measures		30000
7.	Cost of irrigation		15000
	Sub total		370000
8.	Interest on working capital		33000
9.	Harvesting and transportation cost		10000
	Total cost		413000
	Average yield in commercial cultivation (fresh ginger)		20 tonnes/ha
	Cost of production (Rs/kg) of fresh ginger		Rs 20.65

It is an indicative cost of production, worked out based on the inputs received from University of Agricultural Sciences, Dharwad. The yield taken is the average yield obtained in commercial cultivation of ginger.

6. Itemwise cost of cultivation of black pepper in Kerala 2020

S. No.	Particulars	Cost (Rs/ha)
1	Value of hired labour	46279
2	Value of machine and animal labour	232
3	Value of planting material	3245
4	Value of Plant Protection Chemicals	377
5	Value of manures and fertilizers	15967
6	Land revenue cess and other taxes	144
7	Depreciation on implements and farm building	799
8	Annual repairs	1209
9	Interest on Working Capital	6868
10	Amortized value of establishment Cost	29835
11	Miscellaneous	4372
12	Total Cost A 1	109327
13	Rent paid for leased in land	0
14	Cost A2 = A1 + Rent paid for leased in land	109327
15	Interest on value of owned fixed capital assets (ex-land)	2133
16	Cost B1=A1+Interest on value of owned fixed capital assets (ex-land)	111460
17	Rental value of Owned land	39519
18	Cost B2= Cost B1 + Rental value of owned land	150979
19	Imputed value of family labour	14284
20	Cost C1 = Cost B1 + Imputed value of family labour	125744
21	Cost C2 = Cost B2 + Imputed value of family labour	165263
22	Cost C3 = Cost C2 + Value of management (@ 10 % of Cost C2)	181789
23	Yield black pepper (kg/ha)	490
24	Cost of Production based on Cost C3 (Rs/kg)	371

6. COST OF CULTIVATION / PRODUCTION OF ARECANUT

Different costs & summary economics	Amount in Rs
Establishment cost (first 7 years:0-6)	2147160
Total cost with interest(first 7 years:0-6)	3356010
Total Benefits (first 7 years)	490000
Net Establishment Cost	2866010
Amortized value of net establishment cost	266433
Cost benefit ratio	1.10
Internal rate of return	12%
Annual maintenance cost (main crop)	333700
Cost of cultivation	600133
Imputed rental value of land/ha	100000
Total cost (including rental value of land)	700133
Average yield/ha (kg)	2500
Cost of production-main crop (Rs./kg)	280.05
Proposed Minimum Import Price/kg (Adding 25% to the cost of production)	350.07

Source: ICAR-CPCRI