

COST OF CULTIVATION (PER ACRE)

Kacholam

ITEMS	per acre		
	Quantity	Rate	Amount (Rs)
Tractor ploughing (hrs)	4	600	2400
Labour requirement (mandays)			
Bed formation	10		
Planting (April -May) & basal FYM application	10		
Mulching	6		
Weeding, Fertiliser application & Earthing up (2nd & 3rd month)	20		
Pesticide application	2		
Harvesting (Dec.- Jan)	15		
Processing (slicing and drying)	25		
Total	88	400	35200
Inputs			
Urea kg	24	6	144
MOP kg	16	17	272
FYM t	8	1500	12000
Planting material kg	200	30	6000
Pesticides (total amount anticipated)		500	500
Total cultivation cost			56516
Yield kg/acre dry	700	120	84000
Net returns			27484

Kasthurimanjal

ITEM	per acre		
	Quantity	Rate	Amount (Rs)
Tractor ploughing (hrs)	3	600	1800
Labour requirement (mandays)			
Bed formation	10		
Planting (April -May) & basal FYM application	10		
Mulching	6		
Weeding, Fertiliser application & Earthing up (2nd & 3rd month)	20		
Harvesting (Dec.- Jan)	25		
Processing (slicing and drying)	35		
Total	106	400	42400
Inputs			
Urea kg	40	6	240
Rajphos	50	5	250
MOP kg	18	17	306
FYM t	4	1500	6000
Planting material fresh rhizome (kg)	600	30	18000
Total cultivation cost			68996
Yield kg/acre dry	2000	50	100000
Net returns			31004

Chittaratha

	ITEM	per acre		
		Quantity	Rate	Amount (Rs)
I year	Tractor ploughing (hrs)	3	600	1800
	Labour requirement (mandays)			
	Bed formation	10		
	Planting (April -May) & basal FYM application	10		
	Mulching	6		
	Weeding, Fertiliser application & Earthing up (2nd & 3rd month)	25		
	Total	51	400	20400
	Inputs			
	Urea kg	60	6	360
	Rajphos kg	70	5	350
	MOP kg	20	17	340
	FYM t	4	1500	6000
	Planting material kg (fresh rhizome bits)	500	25	12500
II year				
	Labour requirement (mandays)			
	Weeding, Fertiliser application & Earthing up (May-June)	10		
	Harvesting (from 18 months onwards)	30		
	Cleaning and Processing (chopping into pieces & drying)	25		
	Total	65	400	26000
	Inputs			
	Urea kg	20	6	120
	Rajphos kg	30	5	150
	MOP kg	10	17	170
	Total cultivation cost			68190
	Yield kg/acre dry	2000	50	100000
	Net returns			31810

Nilappana

	ITEM	per acre		
		Quantity	Rate	Amount (Rs)
I year	Tractor ploughing (hrs)	3	600	1800
	Labour requirement (mandays)			
	Bed formation	10		
	Planting (April -May) & basal FYM application	10		
	Mulching	6		
	Weeding, Fertiliser application & Earthing up (2nd & 3rd month)	25		
	Total	51	400	20400
	Inputs			
	Urea kg	15	6	90
	MOP kg	10	17	170
	FYM t	4	1500	6000
	Planting material kg	200	30	6000
II year				
	Labour requirement (mandays)			
	Weeding, Fertiliser application & Earthing up (May-June)	15		
	Plant protection (rat control)			500
	Harvesting (from 18 months onwards)	20		
	Cleaning and Processing (chopping into pieces & drying)	20		
	Total	55	400	22000
	Inputs			
	Urea kg	10	6	60
	MOP kg	5	17	85
	Total cultivation cost			57105
	Yield kg/acre dry	700	110	77000
	Net returns			19895

Chengazhi neerkizhangu

ITEM	per acre		
	Quantity	Rate	Amount (Rs)
Tractor ploughing (hrs)	6	600	3600
Labour requirement (mandays)			
Bed formation	10		
Planting (April -May) & basal FYM application	15		
Mulching	6		
Weeding, Fertiliser application & Earthing up (2nd & 3rd month)	25		
Harvesting (Dec.- Jan)	25		
Processing (cleaning)	10		
Total	81	400	32400
Inputs			
Urea kg	25	6	150
Rajphos	50	5	250
MOP kg	18	17	306
FYM t	8	1500	12000
Planting material kg	600	40	24000
Total cultivation cost			72706
Yield kg/acre fresh	4000	30	120000
Net returns			47294

Adalotakam

	ITEM	per acre		
		Quantity	Rate	Amount (Rs)
I year	Tractor ploughing (hrs)	4	600	2400
	Labour requirement (mandays)			
	Bed formation	10		
	Basal FYM application & planting (May-June)	20		
	Weeding, Fertiliser application & Earthing up (2nd & 3rd month)	25		
	Irrigation during summer months	4		
	Leaf harvest - 2 times (at 3- 4 months interval)	20		
	Total	79	400	31600
	Inputs			
	Urea kg	40	6	240
	Rajphos kg	100	5	500
	MOP kg	35	17	595
	FYM t	4	1500	6000
	Planting material (cuttings) No.	20000	0.2	4000
II year				
	Labour requirement (mandays)			
	Weeding, Fertiliser application & Earthing up (May-June)	15		
	Leaf harvest - 2 times (at 3- 4 months interval)	20		
	Harvesting root (Dec - January)	15		
	Total	50	400	20000
	Inputs			
	FYM t	4	1500	6000
	Urea kg	40	6	240
	Rajphos kg	100	5	500
	MOP kg	35	17	595
	Total cultivation cost			72670
	Leaf yield (fresh) kg /acre	6000	12	72000
	Root yield (dry) kg/acre	1500	20	30000
	Net returns			29330

Chethikoduveli

	ITEM	per acre		
		Quantity	Rate	Amount (Rs)
I year	Tractor ploughing (hrs)	6	600	3600
	Labour requirement (mandays)			
	Bed formation	20		
	Basal FYM application & planting (June-July)	20		
	Weeding, Fertiliser application & Earthing up (2nd & 3rd month)	40		
	Irrigation during summer months	4		
	Total	84	400	33600
	Inputs			
	FYM t	4	1500	6000
	Neemcake kg	200	15	3000
	Urea kg	25	6	150
	Rajphos kg	100	5	500
	MOP kg	15	17	255
	Planting material (cuttings) Kg	300	20	6000
II year				
	Labour requirement (mandays)			
	Weeding, Fertiliser application & Earthing up (May-June)	15		
	Harvesting root (18-24 months period)	50		
	Total	65	400	26000
	Inputs			
	FYM t (cowdung slurry application at 1-2 months interval)	2	1500	3000
	Total cultivation cost			82105
	Root yield (fresh) kg/acre	4000	40	160000
	Net returns			77895

Thippali

	ITEM	per acre		
		Quantity	Rate	Amount (Rs)
I year	Tractor ploughing (hrs)	4	600	2400
	Labour requirement (mandays)			
	Bed formation	10		
	Basal FYM application & planting (May-June)	20		
	Weeding, Fertiliser application & Earthing up (2nd & 3rd month)	30		
	Irrigation during summer months	4		
	Harvesting berry, drying (periodically)	25		
	Total	89	400	35600
	Inputs			
	FYM t	8	1500	12000
	Planting material (rooted cuttings) No.	15000	3	45000
	Plant protection expenses		1000	1000
II & III year				
	Inputs			
	FYM t	4	1500	6000
	Plant protection expenses		2000	2000
	Labour requirement (mandays)			
	Weeding, manure application & Earthing up (May-June)	35		
	Harvesting berry, drying (periodically)	45		
	Harvesting root (at the end of the crop)	15		
	Total	95	400	38000
	Total cultivation cost			142000
	Berry yield (dry) kg/acre (for 3 years)	450	400	180000
	Root yield (dry) kg/acre	200	15	3000
	Net returns			41000

Neelamari

	ITEM	per acre		
		Quantity	Rate	Amount (Rs)
I year	Tractor ploughing (hrs)	4	600	2400
	Labour requirement (mandays)			
	Pit formation	10		
	Basal FYM application & planting (September - October)	15		
	Weeding, Fertiliser application & Earthing up (3rd & 6th week after planting)	25		
	Irrigation during summer months	8		
	Leaf harvest - 4-5 times (at 1.5- 2 months interval)	10		
	Total	68	400	27200
	Inputs			
	FYM t	4	1500	6000
	Neemcake kg	200	15	3000
	Urea kg	20	6	120
	Rajphos kg	50	5	250
	MOP kg	10	17	170
	Planting material - seeds			200
II to III year				
	Inputs			
	FYM t	4	1500	6000
	Urea kg	20	6	120
	Rajphos kg	50	5	250
	MOP kg	10	17	170
	Labour requirement (mandays)			
	Weeding, Fertiliser application & Earthing up (May-June)	25		
	Leaf harvest - 4-5 times (at 1.5- 2 months interval)	20		
	Harvesting root (after 3 years)	15		
	Total	60	400	24000
	Total cultivation cost			69880
	Leaf yield (fresh) kg /acre	1500	70	105000
	Root yield (dry) kg/acre	450	25	11250
	Net returns			46370

Ramacham

ITEM	per acre		
	Quantity	Rate	Amount (Rs)
Tractor ploughing (hrs)	4	600	2400
Labour requirement (mandays)			
Bed formation	10		
Collection and preparation of slips for planting	10		
Basal FYM application & planting (May-June)	25		
Weeding, Fertiliser application & Earthing up (2nd month)	15		
Harvesting root (Dec - January)	20		
Total	80	400	32000
Inputs			
Urea kg	25	6	150
Rajphos kg	70	5	350
MOP kg	20	17	340
FYM t	3	1500	4500
Planting material (slips) No.	20000	0.2	4000
Total cultivation cost			43740
Root yield kg/acre	1500	50	75000
Net returns			31260

Lemongrass

	ITEM	per acre		
		Quantity	Rate	Amount (Rs)
I year	Tractor ploughing (hrs)	5	600	3000
	Labour requirement (mandays)			
	Nursery raising (March -April)	8		
	Main field bed formation & basal FYM application	20		
	Uprooting seedlings and planting (May - June)	25		
	Weeding, Fertiliser application & Earthing up (2 months after planting)	25		
	Leaf harvest - 3 times	40		
	Distillation	5		
	Total	123	400	49200
	Inputs			
	FYM t	4	1500	6000
	Urea kg	20	6	120
	Rajphos kg	50	5	250
	MOP kg	15	17	255
	Planting material - seeds kg	1.5	1200	1800
	Fuel cost for distillation			2000
II - IV years				
	Inputs (total quantity for 3 years)			
	Urea kg	240	6	1440
	Fuel cost for distillation			8000
	Labour requirement (mandays) (total for 3 years)			
	Weeding, Fertiliser application & Earthing up (May-June)	45		
	Leaf harvest - 4 times	130		
	Distillation	15		
	Total	190	400	76000
	Total cultivation cost (4 years)			148065
	Oil yield kg /acre (4 years)	350	700	245000
	Net returns of 4 years			96935
	Average Net returns per year			24234

Asokam

	ITEM	per acre		
		Quantity	Rate	Amount (Rs)
1 year	<i>Labour requirement (mandays)</i>			
	Taking pits at 3 x 3 m spacing - 440 Nos/acre)			2000
	Raising seedlings	4		
	FYM application and planting (May-June)	8		
	Uprooting seedlings and planting (May - June)	25		
	Weeding, irrigation and maintenance	10		
	Total	47	400	18800
	<i>Inputs</i>			
	FYM t	4	1500	6000
	Seeds kg	5	200	1000
2 to 10th yr	<i>Maintenance cost</i>			10000
	Bark harvesting (from 10th yr)			2000
	Total cultivation cost (4 years)			39800
	Bark yield kg /acre/yr	70	150	10500