

Weighted Average Cost of Production					
Bottlegourd, 2022-23					
No.	Operation / Inputs	Avg. No. of Operation / Unit Acre)	Percentage of Usage (%)	Avg. Cost per Operation/ Unit (Rs./acre)	Total Weighted Cost (Rs. /acre)
1	Deep Ploughing	1.2	72%	1768	1528
	Ploughing	3	98%	964	2834
	Planking	2	72%	574	827
	Leveling	1	48%	1734	832
	Cost of Land Prep				6021
2	Seed Quantity (kg)	1.1	100%	5971	6568
	Seed Drilling				
	Seed Broadcasting	1	71%	1876	1332
	Seed Treatment				
	Bridging	1	94%	1249	1174
3	Cost of Seed & Sowing				9074
	Water No	13	99%	774	9961
	Water Labour	1	53%	219	116
	Canal Labour	1	31%	204	63
	Cost of Water				10141
4	Urea	2	94%	1850	3478
	DAP	1	95%	9800	9310
	Other Fertilizer	1	37%	5229	1935
	Fertilizer Labour	1	49%	302	148
	Fertilizer Transport	1	94%	161	151
5	Cost of Fertilizer				15022
	Dung trolly	2	12%	1881	451
	Dung Transport	1	12%	1060	127
	Dung Labour	1	12%	1074	129
	Cost of Dung				708
6	Spray Pesticides	8	99%	984	7793
	Spray Pest Labour	1	75%	263	197
7	Cost of Pesticides				7991
	Spray Weedicides	1	23%	934	215
	Spray Weeds Labr	1	22%	254	56
	Hoing Labour	1	89%	3851	3427
	Cost of Weedicides				3698
8	Pick / Dig Cost	1	100%	17451	17451
	Cutting Cost				
	Threshing Cost				
	Machine Harvesting				
	Cost of Harvesting				17451
9	Full / Half Yearly Land Rent (Rs./acre)				20000
10	Admin. Cost	1	11%	5172	569
	Tunnel Cost	1	25%	43325	10831
	Cost of Other Exp.				11400
11	Transport Rent	1	100%	9375	9375
	Transport Labour	1	46%	3683	1694
	Bar Dana (Bags)	1	78%	7699	6005
	Cost of Transport				17074
Cost of Production		At Mandi Gate		(Rs./ acre)	118,579
		(With Land Rent)		(Rs./ 40 Kg)	672
		At Farm Gate		(Rs./ acre)	101,505
		(With Land Rent)		(Rs./ 40 Kg)	575
Avg. Yield		Last 3 Years		(40 kg/acre)	176.49
Gross Revenue		Net Crop Value	Mandi Gate	2055	362,687
		@ (Rs./40 kg)	Farm Gate	1434	253,087
		Residual		(Rs./acre)	
		Net Revenue	Mandi Gate	362,687	
			Farm Gate	253,087	
Profit		At Mandi Gate		(Rs./acre)	244,108
		(With Land Rent)		(Rs./40kg)	1,383
		At Farm Gate		(Rs./acre)	151,582
		(Land Rent)		(Rs./40kg)	859
Indicative Price (Rs./ 40 Kg) @			25%		840

Source: Crop Reporting Service, Agriculture Deptt, Punjab