

Weighted Average Cost of Production					
Bittergourd, 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	89%	1680	1495
	Ploughing	3.6	97%	1031	3600
	Planking	2	91%	588	1070
	Leveling	1	75%	1599	1199
	Cost of Land Prep				7365
2	Seed Quantity (kg)	1.6	100%	14617	23387
	Seed Drilling				
	Seed Broadcasting	1	86%	1744	1500
	Seed Treatment	1	41%	523	214
	Bridging	1	100%	1424	1424
	Cost of Seed & Sowing				26525
3	Water No	13	100%	932	12116
	Water Labour	1	78%	202	158
	Canal Labour	1	67%	199	133
	Cost of Water				12407
4	Urea	2.6	56%	1850	2694
	DAP	1	100%	9800	9800
	Other Fertilizer	1	72%	8624	6209
	Fertilizer Labour	1	69%	389	268
	Fertilizer Transport	1	92%	232	213
	Cost of Fertilizer				19185
5	Dung trolly	2	27%	1824	985
	Dung Transport	1	27%	1188	321
	Dung Labour	1	27%	1294	349
	Cost of Dung				1655
6	Spray Pesticides	12	100%	1015	12180
	Spray Pest Labour	1	84%	238	200
	Cost of Pesticides				12380
7	Spray Weedicides	1	28%	1002	281
	Spray Weeds Labr	1	28%	205	57
	Hoing Labour	1	94%	4963	4665
	Cost of Weedicides				5003
8	Pick / Dig Cost	1	100%	24110	24110
	Cutting Cost				
	Threshing Cost				
	Machine Harvesting				
	Cost of Harvesting				24110
9	Full / Half Yearly Land Rent (Rs./acre)				20000
10	Admin. Cost	1	33%	23214	7661
	Tunnel Cost	1	73%	66011	48188
	Cost of Other Exp.				55849
11	Transport Rent	1	94%	10769	10123
	Transport Labour	1	73%	4271	3118
	Bar Dana (Bags)	1	98%	10649	10436
	Cost of Transport				23677
Cost of Production		At Mandi Gate		(Rs./ acre)	208,156
		(With Land Rent)		(Rs./ 40 Kg)	1,225
		At Farm Gate		(Rs./ acre)	184,479
		(With Land Rent)		(Rs./ 40 Kg)	1,085
Avg. Yield		Last 3 Years		(40 kg/acre)	169.96
Gross Revenue		Net Crop Value	Mandi Gate	2759	468,920
		@ (Rs./40 kg)	Farm Gate	2338	397,366
		Residual		(Rs./acre)	
		Net Revenue	Mandi Gate	468,920	
Profit				(Rs./acre)	397,366
		At Mandi Gate		(Rs./acre)	260,764
		(With Land Rent)		(Rs./40kg)	1,534
		At Farm Gate	(With Land Rent)	(Rs./acre)	212,888
				(Rs./40kg)	1,253
Indicative Price (Rs./ 40 Kg) @			25%	1,531	

Source: Crop Reporting Service, Agriculture Deptt, Punjab