

Weighted Average Cost of Production

Gram, 2023-24

No.	Operation / Inputs	Avg. No. of Operation / Unit (/acre)	(%) of Usage (Weights)	Avg. Cost per Operation / Unit (Rs./acre)	Total Weighted Cost (Rs./acre)
1	Deep Ploughing	1	7%	3912	274
	Ploughing	1.56	100%	1830	2855
	Planking	1.25	100%	1354	1693
	Leveling	1	3%	1266	38
	Cost of Land Preparation				
2	Seed Quantity (kg)	25	100%	191	4775
	Seed Drilling	1	100%	1725	1725
	Seed Broadcasting				
	Seed Treatment				
	Bridging				
Cost of Seed & Sowing					6500
3	Water Cost				
	Water Labour				
Cost of Irrigation					
4	Urea				
	DAP				
	Other Fertilizer				
	Fertilizer Labour/Transport				
Cost of Fertilizer					
5	Dung trolley				
	Dung Labour/Transport				
Cost of Dung					
6	Spray Pesticides	1	3%	1200	36
	Spray Pest Labour	1	3%	300	9
	Cost of Pesticides				
7	Spray Weedicides				
	Spray Weeds Labour				
	Hoing Labour	1	51%	2539	1295
Cost of Weedicides					1295
8	Pick / Dig Cost				
	Manual Cutting Cost	1	100%	2711	2711
	Threshing Cost	1	100%	2517	2517
	Machine Harvesting				
Cost of Harvesting					5228
9 Full / Half Yearly Land Rent (Rs./acre)					12000
10	Admin. Cost				
	Tunnel Cost				
Cost of Other Exp.					
11	Transport Rent	1	87%	342	298
	Transport Labour	1	87%	168	146
	Bar Dana (Bags)	1	87%	225	196
	Cost of Transport				
Cost of Production		At Mandi Gate (With Land Rent)		(Rs./ acre)	30,566
				(Rs./ 40 Kg)	8,733
Average Yield		for the Last 3 Years		(40kg/acre)	3.5
Expected Revenue		Crop Value @ 10,917		(Rs./acre)	38,208
		Residual Value		(Rs./acre)	
		Gross Revenue		(Rs./acre)	38,208
Expected Profit		At Mandi Gate (With Land Rent)		(Rs./acre)	7,642
				(Rs./40kg)	2,183
Indicative Price (Rs./ 40 Kg) @ 25%				10,917	

Source: Crop Reporting Service, Agriculture Deptt, Punjab