

Weighted Average Cost of Production

Spinach, 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	67%	4125	2764
	Ploughing	3	100%	2052	6156
	Planking	1.8	100%	1268	2282
	Leveling	1	21%	3413	717
	Cost of Land Preparation				
2	Seed Quantity (kg)	10	100%	200	2000
	Seed Drilling				
	Seed Broadcasting	1	59%	2953	1742
	Seed Treatment				
	Bridging	1	41%	3514	1441
Cost of Seed & Sowing					5183
3	Water Cost	8	100%	1635	13080
	Water Labour	1	100%	305	2440
	Cost of Irrigation				
4	Urea	2	100%	4000	8000
	DAP	1	74%	13500	9990
	Other Fertilizer	1	15%	3300	495
	Fertilizer Labour/Transport	1	100%	515	515
Cost of Fertilizer					19000
5	Dung trolly				
	Dung Labour/Transport				
Cost of Dung					
6	Spray Pesticides	5	100%	1593	7965
	Spray Pest Labour	1	100%	413	2065
	Cost of Pesticides				
7	Spray Weedicides	1	22%	1816	400
	Spray Weeds Labour	1	22%	583	128
	Hoing Labour	1	30%	9187	2756
	Cost of Weedicides				
8	Pick / Dig Cost	1	100%	16500	16500
	Manual Cutting Cost				
	Threshing Cost				
	Machine Harvesting				
Cost of Harvesting					16500
9 Full / Half Yearly Land Rent (Rs./acre)					45000
10	Admin. Cost				
	Tunnel Cost				
	Cost of Other Exp.				
11	Transport Rent	1	100%	10859	10859
	Transport Labour	1	100%	5076	5076
	Bar Dana (Bags)	1	44%	2500	1100
	Cost of Transport				
Cost of Production		At Mandi Gate (With Land Rent)		(Rs./ acre)	143,471
				(Rs./ 40 Kg)	793
Average Yield		for the Last 3 Years		(40kg/acre)	181.0
Expected Revenue		Crop Value @ 991		(Rs./acre)	179,338
		Residual Value		(Rs./acre)	
		Gross Revenue		(Rs./acre)	179,338
Expected Profit		At Mandi Gate (With Land Rent)		(Rs./acre)	35,868
				(Rs./40kg)	198
Indicative Price (Rs./ 40 Kg) @ 25%				991	

Source: Crop Reporting Service, Agriculture Deptt, Punjab