

**COST OF PRODUCTION OF BASMATTI(PADDY) CROP ESTIMATE UNDER AVERAGE CONDITIONS
IN THE PUNJAB FOR THE YEAR 2018-19**

(Approved)

S.NO	Operations / Inputs	Average no. of oprs/unit/acre	2017-18		Average no. of oprs/unit/acre	2018-19	
			cost/unit Rs.	cost/acre Rs.		cost/unit Rs.	cost/acre Rs.
1	LAND PREPARATION						
	1.1 Dry ploughing	4.00	609	2436.00	4.00	633	2533.00
	1.3 Wet ploughing	3.00	654	1962.00	3.00	680	2041.00
	1.4 Wet planking	1.50	327	491.00	1.50	340	510.00
	Sub Total			4889.00			5084.00
2	Nursery Prepared(4.5 Kg seed + others)			1200.00			1200.00
3	Uprooting,Transplanting and Transporting (Man days)	6.50	458	2977.00	6.50	525	3412.50
4	Plant Protection /Weed Control						
	4.1 Manual (25%) (Man days)	1.00	458	458.00	1.00	525	525.00
	4.2 Weedicides(75%)			1100.00			1100.00
	4.3 Plant Protection (Incl: Nursery+Seed Treatment)			1300.00			1300.00
	Sub Total			2858.00			2925.00
5	FERTILIZER (bags)						
	5.1 UREA	1.00	1400	1400.00	1.00	1520	1520.00
	5.2 DAP	1.00	2500	2500.00	1.00	3250	3250.00
	5.3 ZINC SULPHATE(1 bag 5 kg)	1.00	650	650.00	1.00	650	650.00
	5.4 Fertilizer Transport & Application			180.00			187.00
	Sub Total			4730.00			5607.00
6	IRRIGATION						
	6.1 Canal Waer rate (Abiana/acer)			95.72			95.72
	6.2 Private Tubewell (3 Hrs= one irrigation)	7.00	1000	7000.00	7.00	1000	7000.00
	6.3 Labour for Irrigation & Wate Course Cleaning (mdays)	6.00	458	2748.00	6.00	525.00	3150.00
	Sub Total			9844.00			10246.00
7	HARVESTING AND THRESHING						
	7.1 Kind (Kgs) @ 5Kgs/40 Kgs						
	7.2 Cash (Rs 7/ kg)	1274.00	7	8918.00	1325.00	7.00	9275.00
8	Land Rent (for 6 Months) 25,000/30,000 PA	6.00	2083	12500.00	6.00	2500.00	15000.00
9	Agriculture Income Tax (6 Months)			48.52			48.52
10	Mangement Charges (6 Months) @Rs 15,000/15,000 PM. for 100 Acres	6.00	150	900.00	6.00	150.00	900.00
11	Gross Cost(1 to 10)			48864.52			53698.00
12	Value of Straw			5500.00			5500.00
13	Net Cost of Cultivation(items11-12)			43364.52			48198.00
14	Yield Per Acre (Kgs)			1274.00			1325.00
15	Cost Per Quantile(100 Kgs) at Farm Gate			3404.00			3638.00
16	Cost Per Kg at Farm Gate			34.04			36.38
17	Cost Per 40 Kgs at Farm Gate			1362.00			1455.00
18	Marketing Expenses (Rs/40 Kgs)			32.00			35.00
19	Cost Per 40 Kgs at Mill Gate/Mandi Gate.			1394.00			1490.00
20	Investment Incentive @ 25 %			349.00			373.00
21	Indicative Price Recommended Per 40 Kgs			1743.00			1863.00

**COST OF PRODUCTION OF BITTER GUARD(SEASONAL) CROP 2018-19 UNDER AVERAGE CONDITIONS
AND SOURCES IN THE PUNJAB**

(Approved)

S.NO	Operations / Inputs	2017-18			2018-19		
		Average No of oprs/units/ acre	Rate /unit Rs	cost /acre Rs	Average No of oprs/units/ acre	Rate /unit Rs	cost /acre Rs
1.	PREPARATORY TILLAGE PLOUGHING						
1.1	Rutavator	1.00	1288.00	1288.00	1.00	1340.00	1340.00
1.2	Deep ploughing (Chisel,Disk,Mould board)	1.00	1288.00	1288.00	0.50	1340.00	670.00
1.3	Ploughing / Cultivator	3.00	603.00	1809.00	3.00	627.00	1881.00
1.4	Planking	3.00	301.50	905.00	3.00	313.50	941.00
1.5	Leveling	1.00	644.80	645.00	1.00	670.59	671.00
	Sub Total			5935.00			5503.00
2.	SEED BED AND SOWING PREPARATIONS						
2.1	Bed/ Ridger	1.00	603.00	603.00	1.00	627.00	627.00
2.2	Mulching	1.00	8000.00	8000.00	1.00	8000.00	8000.00
2.3	SEED AND SOWING						
2.3.1	Seed (Kgs)	4.00	800.00	3200.00	2.50	1000.00	2500.00
2.3.2	Sowing / Transplanting	2.00	521.00	1042.00	2.00	525.00	1050.00
	Sub Total			12845.00			12177.00
3	FRAM YARD MANURE						
3.1	Farm Yard manure (Trolley)	4.00	1100.00	4400.00	4.00	1100.00	4400.00
3.2	Labour for spreading Manure &Transportation(Man d	4.00	521.00	2084.00	4.00	525.00	2100.00
	Sub Total			6484.00			6500.00
4	FERTILIZERS: (bag)						
4.1	Urea	2.00	1400.00	2800.00	2.00	1400.00	2800.00
4.2	DAP	2.00	2400.00	4800.00	2.00	2950.00	5900.00
4.3	Potash /MOP / SOP	1.00	2300.00	2300.00	1.00	2450.00	2450.00
4.4	Transportation	5.00	20.80	104.00	5.00	21.63	108.16
4.5	Fertilizer Application (Man days)	1.00	521.00	521.00	1.00	525.00	525.00
	Sub Total			10525.00			11783.16
5	PLANT PROTECTION						
5.1	Treatments (No. of Spray + Man days)	10.00	800.00	8000.00	10.00	800.00	8000.00
5.2	Hoing (5 *3)= 5 Men, 3 Hoing	15.00	521.00	7815.00	15.00	525.00	7875.00
	Sub Total			15815.00			15875.00
6	IRRIGATION						
6.1	Canal Water Rate (Abiana/Acre)			56.30			56.30
6.2	Private Tubewell (3Hrs@ = 1 Irrigation)	7.00	1000.00	7000.00	7.00	1000.00	7000.00
6.3	Labour Charges for Irrigation (1 * 7 M. days)	2.50	521.00	1302.50	2.50	525.00	1312.50
	Sub Total			8359.00			8369.00
7	HARVESTING						
7.1	No. of Picking	20.00			20.00		
7.2	Amount spent for picking per kg	2.00			2.50		
7.3	Total picking charges(2* Total yield)	3.00	4661.00	13983.00	3.00	4661.00	13983.00
7.4	Empty Bags.	117.00	15.00	1755.00	117.00	15.00	1755.00
	Sub Total			15738.00			15738.00
8	Land Rent For 6 Months @30,000 PA	0.50	30000.00	15000.00	0.50	30000.00	15000.00
9	Agricultural Income Tax.			48.52			48.52
10	Management Charges For 6 Months of A Manager @ Rs 15,000 PM For 100 Acres	6.00	150.00	900.00	6.00	150.00	900.00
11	Gross Cost (Item 1 to 10)			91650.00			91894.00
12	Yield Per Acre (kgs)			4661.00			4661.00
13	Cost Per Quantile(100 Kgs) At Farm Level.			1966.32			1971.55
14	Cost Per Kg At Farm Level.			19.66			19.72
15	Cost Per 40 KGs AT Farm Level.			787.00			789.00
16	Marketing Expenses:(Rs /40 Kgs)			13.00			13.00
17	Cost Per 40 Kgs AT Mandi Gate.			800.00			802.00
18	INVESTMENT INCENTIVE @25 %			200.00			201.00
19	INDICATIVE PRICE RECOMMENDED 40 KG			1000.00			1003.00

**COST OF PRODUCTION OF BOTTLE GOURD (Ghia Kaddo SEASONAL) CROP
FOR THE YEAR, 2018-19 IN THE PUNJAB**

(Approved)

S.NO	Operations / Inputs	2017-18			2018-19		
		Average No of oprs/units/ acre	Rate /unit Rs	cost /acre Rs	verage No of oprs/units/ acre	Rate /unit Rs	cost /acre Rs
1.	PREPARATORY TILLAGE PLOUGHING						
	1.1 Rutavator	1.00	1288.00	1288.00	1.00	1340.00	1340.00
	1.2 Deep ploughing (Chisel,Disk,Mould board)	1.00	1288.00	1288.00	0.50	1340.00	670.00
	1.3 Ploughing / Cultivator	3.00	603.00	1809.00	3.00	627.00	1881.00
	1.4 Planking	3.00	301.50	905.00	3.00	313.50	941.00
	1.5 Leveling	1.00	645.00	645.00	1.00	671.00	671.00
	Sub Total			5935.00			5503.00
2.	SEED BED AND SOWING PREPARATIONS						
	2.1 Bed/ Ridger	1.00	603.20	603.00	1.00	627.33	627.00
3.	SEED AND SOWING OPERATIONS						
	3.1 Seed (Kgs)	2.00	1000.00	2000.00	2.00	350.00	700.00
	3.2 Sowing / Transplanting	2.00	521.00	1042.00	2.00	525.00	1050.00
	Sub Total			3645.00			2377.00
4.	FRAM YARD MANURE						
	4.1 Farm Yard manure (Trolley)	4.00	1100.00	4400.00	4.00	1100.00	4400.00
	4.2 Labour for spreading Manure &Transportation(Man d	4.00	521.00	2084.00	4.00	525.00	2100.00
	Sub Total			6484.00			6500.00
5.	FERTILIZERS: (bag)						
	5.1 Urea	1.50	1400.00	2100.00	1.50	1400.00	2100.00
	5.2 DAP	1.00	2400.00	2400.00	1.00	2950.00	2950.00
	5.3 Potash/ MOP/SOP	1.00	2300.00	2300.00	1.00	2450.00	2450.00
	5.4 Transportation	3.50	20.80	73.00	3.50	21.63	76.00
	5.5 Fertilizer Application (Man days)	1.00	521.00	521.00	1.00	525.00	525.00
	Sub Total			7394.00			8101.00
6.	PLANT PROTECTION						
	6.1 Treatments (No. of Spray + Man days)	10.00	800.00	8000.00	10.00	800.00	8000.00
	6.2 Hoing (5 *3) =5 Men, 3 Hoing	15.00	521.00	7815.00	15.00	525.00	7875.00
	Sub Total			15815.00			15875.00
7.	IRRIGATION						
	7.1 Canal Water Rate (Abiana/Acre)			56.30			56.30
	7.2 Private Tubewell (3Hrs@= 1 Irrigation)	7.00	1000.00	7000.00	7.00	1000.00	7000.00
	7.3 Labour Charges for Irrigation (1 * 7 M. days)	2.50	521.00	1302.50	2.50	525.00	1312.50
	Sub Total			8359.00			8369.00
8.	HARVESTING						
	8.1 No. of Picking	35.00			35.00		
	8.2 Amount spent for picking per kg	3.00			2.00		
	8.3 Total picking charges(3* Total yield)	3.00	4976.00	14928.00	2.00	4966.00	9932.00
	8.4 Empty Bags.	125.00	15.00	1875.00	125.00	15.00	1875.00
	Sub Total			16803.00			11807.00
9.	Land Rent For 6 Months @30,000 PA	0.50	30000.00	15000.00	0.50	30000.00	15000.00
10.	Agricultural Income Tax.			48.52			48.52
11.	Management Charges For 6 Months OF A Manager @ Rs 15,000 PM For 100 Acres	6.00	150.00	900.00	6.00	150.00	900.00
12.	Gross Cost (Item 1 to 11)			80384.00			74481.00
13.	Yield Per Acre (kgs)			4976.00			4966.00
15.	Cost Per Quantile(100 Kgs) At Farm Level.			1615.43			1499.82
16.	Cost Per Kg At Farm Level.			16.15			15.00
17.	Cost Per 40 Kgs At Farm Level.			646.00			600.00
18.	Marketing Expenses:(Rs /40 Kgs)			13.00			13.00
19.	Cost Per 40 Kgs AT Mandi Gate.			659.00			613.00
20.	Investment Incentive @25 %			164.75			153.00
21.	Indicative Price Recommended Per 40 kgs			824.00			766.00

**COST OF PRODUCTION OF IRRI (PADDY) CROP ESTIMATE UNDER AVERAGE CONDITIONS
IN THE PUNJAB FOR THE YEAR 2018-19**

(Approved)

S.NO	Operations / Inputs	Average no of oprs/units/ acre	2017-18		Average no of oprs/units/ acre	2018-19	
			cost /unit	cost /acre		cost /unit	cost /acre
			Rs	Rs		Rs	Rs
1	LAND PREPARATION						
	1.1 Dry ploughing	4.00	609	2436.00	4.00	633	2533.00
	1.2 Wet ploughing	3.00	654	1962.00	3.00	680	2040.00
	1.3 Wet planking	1.50	327	490.00	1.50	340	510.00
	Sub Total			4888.00			5083.00
2	Nursery used Prepared(4 Kg seed + others)			1100.00			1100.00
3	Uprooting,Transplanting and Transporting (Man days)	6.50	458	2977.00	6.50	525	3412.50
4	Plant Protection /Weed Control						
	4.1 Manual (25%)	1.00	458	458.00	1.00	525	525.00
	4.2 Weedicides(75%)			1100.00			1100.00
	4.3 Plant Protection (including Nursery+ Seed treatment)			750.00			800.00
	Sub Total			2308.00			2425.00
5	FERTILIZER (bags)						
	5.1 UREA	1.00	1400	1400.00	1.00	1520	1520.00
	5.2 DAP	1.00	2500	2500.00	1.00	3250	3250.00
	5.3 ZINC SULPHATE	1.00	650	650.00	1.00	650	650.00
	5.4 Fertilizer Transport & Application			164.00			171.00
	Sub Total			4714.00			5591.00
6	IRRIGATION						
	6.1 Canal Water rate (Abiana/acer)			95.72			95.72
	6.2 Private Tubewell (3 Hrs= One irrigation)	7.00	1000	7000.00	7.00	1000	7000.00
	6.3 Labour for irrigation & Water Course Cleaning(M.days)	6.00	458	2748.00	6.00	525	3150.00
	Sub Total			9843.72			10245.72
7	Harvesting and Threshing						
	7.1 Kind (Kgs) @ 5Kgs/40 Kgs						
	7.2 Cash (Rs 4 /kg)	2060.00	4	8240.00	2060.00	4.00	8240.00
8	Land Rent (for 6 Months) 25,000/30,000 PA	6.00	2083	12500.00	6.00	2500	15000.00
9	Agricultural Income Tax			48.52			48.52
10	Management Charges (for 6 Months) @ Rs. 15,000 /15,000 PM for 100 Acres	6.00	150	900.00	6.00	150	900.00
11	Gross Cost (1 to 10)			47519.00			52046.00
12	Value of Straw			4000.00			4000.00
13	Net Cost of Cultivation(11-12)			43519.00			48046.00
14	Yield Per Acre (Kgs)			2060.00			2060.00
15	Cost Per Quantile(100 Kgs) at Farm Gate			2112.57			2332.33
16	Cost Per Kg at Farm Gate			21.13			23.32
17	Cost Per 40 Kgs at Farm Gate			845.00			933.00
18	Marketing Expenses (40 Kgs)			32.00			35.00
19	Cost Per 40 Kgs at Mandi Gate			877.00			968.00
20	Investment Incentive @ 25 %			219.00			242.00
21	INDICATIVE PRICE RECOMMENDED PER 40 Kgs			1096.00			1210.00

**COST OF PRODUCTION OF MAIZ CROP ESTIMATE UNDER AVERAGE CONDITIONS IN THE PUNJAB
FOR THE YEAR 2018-19**

(Approved)

S.NO	Operations / Inputs	Average no. of oprs/units/acre	2017-18		Average no. of oprs/units/acre	2018-19	
			cost/unit Rs.	cost/acre Rs.		cost/unit Rs.	cost/acre Rs.
1	PREPARATORY TILLAGE						
	1.1 Ploughing / Cultivation	3.00	609	1827.00	3.00	633	1900.00
	1.2 Planking	2.00	305	609.00	2.00	317	633.00
	Sub total			2436.00			2533.00
2	SEED BED PREPARATION						
	2.1 Ploughing./Cultivation	2.00	609	1218.00	2.00	633	1267.00
	2.2 Planking.	1.00	305	305.00	1.00	317	317.00
	2.3 Sowing. (M.days)	1.00	458	458.00	1.00	525	525.00
	2.4 Bund Making (M.days)	0.50	458	229.00	0.50	525	263.00
	Sub total			2210.00			2372.00
3	SEED						
	3.1 Seed (Kgs) Hybrid	10.00	700	7000.00	10.00	700	7000.00
4	FARM YARD MANURE						
	4.1 Farm Yard manure (Trolley)	2.00	1100	2200.00	2.00	1100	2200.00
	4.2 Labour for Spreading Manure &Transportation (M. days)			458.00			458.00
	Sub total			2658.00			2658.00
5	FERTILIZER (Bag)						
	5.1 Urea	3.50	1400	4900.00	3.50	1520	5320.00
	5.2 DAP	2.00	2500	5000.00	2.00	3250	6500.00
	5.3 SOP (MOP)	2.00	2600	5200.00	2.00	3600	7200.00
	5.4 Transportation	7.50	18	134.00	7.50	19	141.00
	5.5 Fertilizer Application (M. days)	1.00	458	458.00	1.00	525	525.00
	Sub total			15692.00			19686.00
6	IRRIGATION						
	6.1 Cleaning of water courses (M. days)	0.50	458	229.00	0.50	525	262.50
	6.2 Canal Water rate (Abiania/acer)			95.72			95.72
	6.3 Private Tubewell(3 Hrs= One irrigation)	4.00	1000	4000.00	4.00	1000	4000.00
	6.4 Labour Charges for Irrigation	2.00	458	916.00	2.00	525.00	1050.00
	Sub total			5241.00			5408.00
7	INTERCULTURE						
	7.1 Hoing / Weeding (M.days)	4.00	458	1832.00	4.00	525.00	2100.00
	Sub total			1832.00			2100.00
8	Plant Protection /Weed Control						
	8.1 Cost of Weedicides/Application			800.00	1.00	800.00	800.00
	8.2 Plant Protection (Granules)			984.00	1.00	1023.36	1023.36
	Sub total			1784.00			1823.36
9	HARVESTING						
	9.1 Harvesting & Threshing Charges (M.days)	8.00	458	3664.00	8.00	525.00	4200.00
10	Land Rent for 6 Month @ Rs.25000/30,000 PA	6.00	2083	12500.00	6.00	2500.00	15000.00
11	AGRICULTURAL INCOME TAX (6 Months)			48.52			48.52
12	MANAGEMENT CHARGES FOR 6 MONTHS OF A MANAGER @Rs 15,000/15,000 PM FOR 100 ACRES	6.00	150	900.00	6.00	150.00	900.00
13	Gross Cost (Item 1 to 12)			55966.00			63729.00
14	Value of Stalk			1000.00			1000.00
15	Net Cultivation Cost (13 - 14)			54966.00			62729.00
16	Yield Per Acre (kgs)			2840.00			2840.00
17	Cost Per Quantile (100 Kgs) at Farm Gate			1935.00			2209.00
18	Cost Per Kg at Farm Gate			19.35			22.09
19	Cost Per 40 Kgs at Farm Gate			774.00			884.00
20	MARKETING EXPENCES:(Rs /40 Kgs)			32.00			35.00
21	COST PER 40 KGs AT MANDI GATE.			806.00			919.00
22	INVESTMENT INCENTIVE @ 25 %			202.00			230.00
23	INDICATIVE PRICE RECOMMENDED PER40 Kgs			1008.00			1149.00

**COST OF PRODUCTION OF SEED COTTON CROP ESTIMATE UNDER AVERAGE CONDITIONS
IN THE PUNJAB FOR THE YEAR 2018-19**

(Approved)

S.NO	Operations / Inputs	Average no of oprs/units /acre	2017-18		Average no of oprs/units/ acre	2018-19	
			cost /unit	cost /acre		cost /unit	cost /acre
			Rs	Rs		Rs	Rs
1	LAND PREPARATION						
1.1	Deep ploughing	0.20	1300	260.00	0.20	1352	270.00
1.2	Ploughing /Cultivation	2.00	609	1218.00	2.00	633	1267.00
1.3	Planking	1.00	305	305.00	1.00	317	317.00
1.4	(Ploughing + Planking)/Rotavator	3.00	651	1953.00	3.00	677	2031.00
1.5	Leveling	0.60	651	391.00	0.60	677	406.00
	Sub total			4127.00			4291.00
2	SEED AND SOWING OPERATIONS						
2.1	Cotton Seed (Kgs)+Including delinting Cost	8.00	350	2800.00	8.00	350	2800.00
2.2	Seed Treatment			40.00			40.00
2.3	SOWING						
2.3.1	Ploughing and Planking	0.10	651	65.00	0.10	677	68.00
2.3.2	Drilling/ Bed Furrow	0.90	609	548.00	0.90	633	570.00
2.3.3	Manual labour for sowing ,bund making and gap filling (M. days)	0.25	458	115.00	0.25	525	131.00
	Sub total			3568.00			3609.00
3	IRRIGATION						
3.1	Canal Water rate (Abiania/acer)			95.72			95.72
3.2	Private Tubewell(3 Hrs= One irrigation)	3.00	1000	3000.00	3.00	1000	3000.00
3.3	Mixed water (Canal+ Tubwell)	1.00	381	381.00	1.00	396	396.00
3.4	Water course cleaning and application charges(M.days)	4.00	458	1832.00	4.00	525	2100.00
	Sub total			5309.00			5592.00
4	INTERCULTURE						
4.1	With tractor	3.00	571	1714.00	3.00	594	1782.00
4.2	Manual weeding (man days)	4.00	458	1832.00	3.00	525	1575.00
4.3	Thining (Man days)				1.00	525	525.00
	Sub total			3546.00			3882.00
5	PLANT PROTECTION INCLUDING APPLICATION						
5.1	Cost of Herbicide				1.13	752	849.97
5.2	Cost of Pesticide				7.24	804	5820.96
5.3	Labour chagers				8.37	196	1640.52
	Sub total						8311.45
6	FARM YARD MANURE INCLUDING TRANSPORT AND APPLICATION	0.30	1100	330.00	0.30	1100	330.00
7	FERTILIZERS: (bags)						
7.1	UREA	1.50	1400	2100.00	1.50	1520	2280.00
7.2	DAP	1.50	2500	3750.00	1.50	3250	4875.00
7.3	Potash/MOP / Folier Application	0.20	2600	520.00	0.20	3600	720.00
7.4	Fertilizer Transport & Application	3.20		193.00	3.20		201.00
	Sub total			6563.00			8076.00
8	Land Rent for 8 Months @ Rs 25,000/30,000 PA	8.00	2083	16664.00	8.00	2500	20000.00
9	Agricultural Income Tax (8 Months)			64.69			64.69
10	Payment to Picker in Rs. 6 / Kg	885.00	6.00	5310.00	885.00	6.00	5310.00
11	Cutting of Cotton Sticks (In lieu of sticks)			1500.00			1500.00
12	Management Charges for 8 Month @ RS 15,000/15,000 PM for 100 Acres	8.00	150	1200.00	8.00	150	1200.00
13	Gross Cost (Items 1 to 12)			53682			62166.00
14	Value of Cotton Sticks			2500.00			2500.00
15	Net Cultivation Cost (Item 13-14)			51182			59666.00
16	Yield Per Acre (Kgs)			885.00			885.00
17	Cost Per Quantal (100 Kgs) At Farm Gate			5783.28			6741.92
18	Cost Per Kg At Farm Gate			57.83			67.42
19	Cost Per 40 Kgs At Farm Gate			2313.00			2697.00
20	Marketing Expences:(Rs /40 Kgs)			32.00			35.00
21	Cost Per 40 Kgs At Mill Gate /Mandi Gate.			2345.00			2732.00
22	Investment Incentive @ 25%			586.00			683.00
23	Indicative Price Recommended Per 40 Kgs			2931.00			3415.00

COST OF PRODUCTION OF TEENDA CROP FOR THE YEAR 2018-19 IN THE PUNJAB

(Approved)

S.NO	Operations / Inputs	2017-18			2018-19		
		Average No of oprs/units/acre	Rate /unit Rs	cost /acre Rs	Average No of oprs/units/acre	Rate /unit Rs	cost /acre Rs
1.	PREPARATORY TILLAGE PLOUGHING						
1.1	Rutavator	1.00	1288.00	1288.00	1.00	1340.00	1340.00
1.2	Deep ploughing (Chisel,Disk,Mould board)	1.00	1288.00	1288.00	0.50	1340.00	670.00
1.3	Ploughing / Cultivator	3.00	603.00	1809.00	3.00	627.00	1881.00
1.4	Planking	3.00	301.50	905.00	3.00	313.50	941.00
1.5	Leveling	1.00	645.00	645.00	1.00	671.00	671.00
	Sub Total			5935.00			5503.00
2.	SEED BED AND SOWING PREPARATIONS						
2.1	Bed/ Ridger	1.00	580.00	580.00	1.00	580.00	580.00
	2.2 SEED AND SOWING						
2.2.1	Seed (Kgs)	2.00	1200.00	2400.00	2.00	500.00	1000.00
2.2.2	Sowing / Transplanting	6.00	521.00	3126.00	6.00	525.00	3150.00
	Sub Total			6106.00			4730.00
3	FRAM YARD MANURE						
3.1	Farm Yard manure (Trolly)	4.00	1100.00	4400.00	4.00	1100.00	4400.00
3.2	Labour for spreading Manure &Transportation(Man days)	4.00	521.00	2084.00	4.00	525.00	2100.00
	Sub Total			6484.00			6500.00
4	FERTILIZERS: (bag)						
4.1	Urea	1.50	1400.00	2100.00	1.50	1400.00	2100.00
4.2	DAP	1.00	2400.00	2400.00	1.00	2950.00	2950.00
4.3	Potash / MOP/ SOP	1.00	2300.00	2300.00	1.00	2450.00	2450.00
4.4	Transportation	3.50	20.80	73.00	3.50	21.63	76.00
4.5	Fertilizer Application (Man days)	1.00	521.00	521.00	1.00	525.00	525.00
	Sub Total			7394.00			8101.00
5	PLANT PROTECTION						
5.1	Treatments (No. of Spray + Man days)	12.00	800.00	9600.00	12.00	800.00	9600.00
5.2	Hoing (5 *3)= 5 Men, 3 Hoing	15.00	521.00	7815.00	15.00	525.00	7875.00
	Sub Total			17415.00			17475.00
6	IRRIGATION						
6.1	Canal Water Rate (Abiana/Acre)			56.30			56.30
6.2	Private Tubewell (3Hrs@ = 1 Irrigation)	7.00	1000.00	7000.00	7.00	1000.00	7000.00
6.3	Labour Charges for Irrigation (1 * 7 M. days)	2.50	521.00	1302.50	2.50	525.00	1312.50
	Sub Total			8358.80			8368.80
7	HARVESTING						
7.1	No. of Picking	35.00			35.00		
7.2	Amount spent for picking per kg	2.00			2.00		
7.3	Total picking charges(2* Total yield)	2.00	4327.00	8654.00	2.00	4324.00	8648.00
7.4	Empty Bags.	109.00	15.00	1635.00	109.00	15.00	1635.00
	Sub Total			10289.00			10283.00
8	Land Rent For 6 Months @30,000 PA	0.50	30000.00	15000.00	0.50	30000.00	15000.00
9	Agricultural Income Tax.			48.52			48.52
10	Management Charges For 6 Months OF A Manager @ Rs 15,000 PM For 100 Acres	6.00	150.00	900.00	6.00	150.00	900.00
11	Gross Cost (Item 1 to 10)			77930.00			76909.00
12	Yield Per Acre (kgs)			4327.00			4324.00
13	Cost Per Quantile (100 Kgs) At Farm Level.			1801.02			1778.65
14	Cost Per Kg At Farm Level.			18.01			17.79
15	Cost Per 40 KGs AT Farm Level.			720.00			711.00
16	Marketing Expenses:(Rs /40 Kgs)			13.00			13.00
17	Cost Per 40 KGs AT Mandi Gate.			733.00			724.00
18	Investment Incentive @25 %			183.25			181.00
19	Indicative Price Recommended Per 40 Kgs			916.00			905.00

COST OF PRODUCTION OF BRINJAL(SEASONAL) CROP 2018-19 UNDER AVERAGE CONDITIONS AND SOURCES IN THE PUNJAB

(Approved)

S.NO	Operations / Inputs	2017-18			2018-19		
		Average No of oprs/units/acre	Rate /unit	cost /acre	Average No of oprs/units/acre	Rate /unit	cost /acre
			Rs	Rs		Rs	Rs
1.	PREPARATORY TILLAGE PLOUGHING						
1.1	Rutavator	1.00	1288.00	1288.00	1.00	1340.00	1340.00
1.2	Deep ploughing (Chisel,Disk,Mould board)	1.00	1288.00	1288.00	0.50	1340.00	670.00
1.3	Ploughing / Cultivator	3.00	603.00	1809.00	3.00	627.00	1881.00
1.4	Planking	3.00	302.00	906.00	3.00	314.00	942.00
1.5	Leveling	1.00	645.00	645.00	1.00	671.00	671.00
	Sub Total			5936.00			5504.00
2.	SEED BED AND SOWING PREPARATIONS						
2.1	Bed/ Ridger	1.00	580.00	580.00	1.00	627.00	627.00
	2.2 SEED AND SOWING OPERATION						
2.2.1	Seed (.10 gramx12 packet)	0.30	4000.00	1200.00	0.120	250x12	3000.00
2.2.2	Sowing / Transplanting	6.00	521.00	3126.00	6.00	525.00	3150.00
2.2.3	Nursery Rasing / up rooting	1.00	521.00	521.00	1.00	525.00	525.00
	Sub Total			5427.00			7302.00
3	FRAM YARD MANURE						
3.1	Farm Yard manure (Trolly)	4.00	1100.00	4400.00	4.00	1100.00	4400.00
3.2	Labour for spreading Manure &Transportation(Man days)	4.00	521.00	2084.00	4.00	525.00	2100.00
	Sub Total			6484.00			6500.00
4	FERTILIZERS: (bag)						
4.1	Urea	2.00	1400.00	2800.00	2.00	1400.00	2800.00
4.2	DAP	1.50	2400.00	3600.00	1.50	2950.00	4425.00
4.3	Potash /MOP/SOP	1.00	2300.00	2300.00	1.00	2450.00	2450.00
4.4	Transportation	4.50	20.80	94.00	4.50	21.63	97.00
4.5	Fertilizer Application (Man days)	1.00	521.00	521.00	1.00	525.00	525.00
	Sub Total			9315.00			10297.00
5	PLANT PROTECTION						
5.1	Treatments (No. of Spray + Man days)	12.00	800.00	9600.00	12.00	800.00	9600.00
5.2	Hoing (5 *3)= 5 Men, 3 Hoing	15.00	521.00	7815.00	15.00	525.00	7875.00
	Sub Total			17415.00			17475.00
6	IRRIGATION						
6.1	Canal Water Rate (Abiana/Acre)			56.30			56.30
6.2	Private Tubewell (3Hrs@ = 1 Irrigation)	10.00	1000.00	10000.00	10.00	1000.00	10000.00
6.3	Labour Charges for Irrigation (1 * 7 M. days)	3.50	521.00	1823.50	3.50	525.00	1837.50
	Sub Total			11879.80			11893.80
7	HARVESTING						
7.1	No. of Picking	40.00			40.00		
7.2	Amount spent for picking per kg	3.00			2.00		
7.3	Total picking charges(3* Total yield)	3.00	5231.00	15693.00	2.00	5251.00	10502.00
7.4	Empty Bags.	131.00	15.00	1965.00	131.00	15.00	1965.00
	Sub Total			17658.00			12467.00
8	Land Rent For 6 Months @30,000 PA	0.50	30000.00	15000.00	0.50	30000.00	15000.00
9	Agricultural Income Tax.			48.52			48.52
10	Management Charges For 6 Months OF A Manager @ Rs 15,000 PM For 100 Acres	6.00	150.00	900.00	6.00	150.00	900.00
11	Gross Cost (Item 1 to 10)			90063.00			87387.00
12	Yield Per Acre (kgs)			5231.00			5251.00
13	Cost Per Quantile (100 Kgs) At Farm Level.			1721.72			1664.20
14	Cost Per Kg At Farm Level.			17.22			16.64
15	Cost Per 40 KGs AT Farm Level.			689.00			666.00
16	Marketing Expenses:(Rs /40 Kgs)			13.00			13.00
17	Cost Per 40 KGs AT Mandi Gate.			702.00			679.00
18	Investment Icentive @25 %			175.50			170.00
19	Indicative Price Recommended Per 40 Kgs			878.00			849.00

**COST OF PRODUCTION OF CUCUMBER(SEASONAL) CROP 2018-19 UNDER AVERAGE CONDITIONS
AND SOURCES IN THE PUNJAB**

(Approved)

S.NO	Operations / Inputs	2017-18			2018-19		
		Average No of oprs/units/ acre	Rate /unit Rs	cost /acre Rs	Average No of oprs/units/ acre	Rate /unit Rs	cost /acre Rs
1.	PREPARATORY TILLAGE PLOUGHING						
1.1	Rutavator	1.00	1288.00	1288.00	1.00	1340.00	1340.00
1.2	Deep ploughing (Chisel,Disk,Mould board)	1.00	1288.00	1288.00	0.50	1340.00	670.00
1.3	Ploughing / Cultivator	3.00	603.00	1809.00	3.00	627.00	1881.00
1.4	Planking	3.00	302.00	906.00	3.00	314.00	942.00
1.5	Leveling	1.00	645.00	645.00	1.00	671.00	671.00
	Sub Total			5936.00			5504.00
2.	SEED BED AND SOWING PREPARATIONS						
2.1	Bed/ Ridger	1.00	603.00	603.00	1.00	627.00	627.00
3	2.2 SEED AND SOWING						
3.1	Seed (Kgs)	1.50	1500.00	2250.00	1.50	1500.00	2250.00
3.2	Sowing / Transplanting	6.00	521.00	3126.00	6.00	525.00	3150.00
	Sub Total			5979.00			6027.00
4	FRAM YARD MANURE						
4.1	Farm Yard manure (Trolly)	4.00	1100.00	4400.00	4.00	1100.00	4400.00
4.2	Labour for spreading Manure &Transportation(Man days)	4.00	521.00	2084.00	4.00	525.00	2100.00
	Sub Total			6484.00			6500.00
5	FERTILIZERS: (bag)						
5.1	Urea	1.50	1400.00	2100.00	1.50	1400.00	2100.00
5.2	DAP	1.00	2400.00	2400.00	1.00	2950.00	2950.00
5.3	Potash/MOP/ SOP	1.00	2300.00	2300.00	1.00	2450.00	2450.00
5.4	Transportation	3.50	20.80	73.00	3.50	21.63	76.00
5.5	Fertilizer Application (Man days)	1.00	521.00	521.00	1.00	525.00	525.00
	Sub Total			7394.00			8101.00
6	PLANT PROTECTION						
6.1	Treatments (No. of Spray + Man days)	12.00	800.00	9600.00	12.00	800.00	9600.00
6.2	Hoing (5 *3)= 5 Men, 3 Hoing	15.00	521.00	7815.00	15.00	525.00	7875.00
	Sub Total			17415.00			17475.00
7	IRRIGATION						
7.1	Canal Water Rate (Abiana/Acre)			56.30			56.30
7.2	Private Tubewell (3Hrs@ = 1 Irrigation)	7.00	1000.00	7000.00	7.00	1000.00	7000.00
7.3	Labour Charges for Irrigation (1 * 7 M. days)	2.50	521.00	1303.00	2.50	525.00	1313.00
	Sub Total			8359.30			8369.30
8	HARVESTING						
8.1	No. of Picking	35.00			35.00		
8.2	Amount spent for picking per kg	3.00			2.00		
8.3	Total picking charges(3* Total yield)	3.00	9850.00	29550.00	2.00	10607.00	21214.00
8.4	Empty Bags.	246.00	15.00	3690.00	246.00	15.00	3690.00
	Sub Total			33240.00			24904.00
9	Land Rent For 6 Months @30,000 PA	0.50	30000.00	15000.00	0.50	30000.00	15000.00
10	Agricultural Income Tax.			48.52			48.52
11	Management Charges For 6 Months OF A Manager @ Rs 15,000 PM For 100 Acres	6.00	150.00	900.00	6.00	150.00	900.00
12	Gross Cost (Item 1 to 11)			100756.00			92829.00
13	Yield Per Acre (kgs)			10109.00			10607.00
14	Cost Per Quantile (100 Kgs) At Farm Level.			997.00			875.00
15	Cost Per Kg At Farm Level.			9.97			8.75
16	Cost Per 40 Kgs AT Farm Level.			399.00			350.00
17	Marketing Expenses:(Rs /40 Kgs)			13.00			13.00
18	Cost Per 40 Kgs AT Mandi Gate.			412.00			363.00
19	Investment Incentive @25 %			103.00			91.00
20	Indicative Price Recommended Per 40 Kgs			515.00			454.00

**COST OF PRODUCTION OF CAULIFLOWER CROP FOR THE YEAR 2019-20 UNDER AVERAGE CONDITIONS
AND SOURCES IN THE PUNJAB**

(Approved)

S.NO	Operations / Inputs	2018-19			2019-20		
		Average No of oprs/units/ acre	Rate /unit Rs	cost /acre Rs	Average No of oprs/units/ acre	Rate /unit Rs	cost /acre Rs
1.	PREPARATORY TILLAGE PLOUGHING						
	1.2 Deep ploughing (Chisel,Disk,Mouldboard)	1.00	1173.00	1173.00	1.00	1255.00	1255.00
	1.2 Ploughing / Cultivator	3.00	517.00	1551.00	3.00	800.00	2400.00
	1.3 Planking	1.00	259.00	259.00	1.00	400.00	400.00
	1.4 Laser Leveling	1.00	586.00	586.00	0.30	1300.00	390.00
	Sub Total			3569.00			4445.00
2.	SEED BED PREPARATION						
	2.1 Bed/Ridge	1.00	856.00	856.00	1.00	933.04	933.00
	2.2 SEED AND SOWING OPERATIONS						
	2.2.1 Seed (Kgs)	5.00	850.00	4250.00	5.00	900.00	4500.00
	2.3.2Uprooying,Transplanting and Transporting	5.00	525.00	2625.00	5.00	525.00	2625.00
	Sub Total			7731.00			8058.00
3	FRAM YARD MANURE						
	3.1 Farm Yard manure (Trolley)	2.00	1100.00	2200.00	2.00	1100.00	2200.00
	3.2 Transportation Charges	2.00	535.00	1070.00	2.00	583.15	1166.30
	3.3 Labour for spreading Manure & Transportation (Man days)	4.00	525.00	2100.00	4.00	525.00	2100.00
	Sub Total			5370.00			5466.30
4	FERTILIZERS: (bag)						
	4.1 Urea	3.00	1640.00	4920.00	3.00	1840.00	5520.00
	4.2 DAP	1.50	3350.00	5025.00	1.50	3750.00	5625.00
	4.3 Potash /MOP	1.00	2600.00	2600.00	1.00	3100.00	3100.00
	4.4 Transportation	5.50	19.26	105.93	5.50	20.99	115.46
	4.5 Fertilizer Application (Man days)	1.00	525.00	525.00	1.00	525.00	525.00
	Sub Total			13175.93			14885.46
5	PLANT PROTECTION						
	5.1 No. sprays	5.00	550.00	2750.00	5.00	550.00	2750.00
	5.2 Treatments (sprays *Tanks*Cost/Tank Rs.30)=5*5*30	25.00	30.00	750.00	25.00	30.00	750.00
	5.3 Hoing (1 Hoing, 4 Man)	5.00	525.00	2625.00	4.00	584.00	2336.00
	Sub Total			6125.00			5836.00
6	IRRIGATION						
	6.1 Cleaning of water courses (M. days)	1.00	525.00	525.00	1.00	525.00	525.00
	6.2 Canal Water Rate (Abiana/Acre)			56.30			100.00
	6.3 Private Tubewell (3Hr)	3.00	1000.00	3000.00	3.00	1000.00	3000.00
	6.4 Labour Charges for Irrigation (M. days)	2.00	525.00	1050.00	2.00	525.00	1050.00
	Sub Total			4631.30			4675.00
7	HARVESTING						
	7.1 Harvesting Handling & Transportation (Acre)	12.00	525.00	6300.00	12.00	525.00	6300.00
	7.2 Empty open Bags.	298.00	17.00	5066.00	298.00	15.00	4470.00
	Sub Total			11366.00			10770.00
8	Land Rent For 6 Months @ 30,000 PA	6.00	2500.00	15000.00	0.50	30000.00	15000.00
9	Management Charges For 6 Months of a Manager @ Rs 15,000/15000 PM for 100 Acres	6.00	150.00	900.00	6.00	150.00	900.00
10	GROSS COST (Item 1 to 9)			67868.00			70036.00
11	Yield Per Acre (kgs)			8951.0			8951.0
12	Cost per Kg at Farm Level.			7.6			7.8
13	Cost per 40 Kgs at Farm Level.			303.00			313.00
14	Marketing Expenses:(Rs /40 Kgs)			34.00			34.00
15	Cost Per 40 KGs at Mandi Gate.			337.00			347.00
16	Investment Incentive @25 %			84.00			87.00
17	Indicative Price Recommended			421.00			434.00

**COST OF PRODUCTION OF MASOOR CROP UNDER BARANI CONDITIONS AND SOURCES
IN THE PUNJAB FOR THE YEAR 2019-20**

(Approved)

S.NO	Operations / Inputs	2018-19			2019-209		
		Average No of oprs/units/Acre	Rate /unit Rs	Cost /Acre Rs	Average No of oprs/units/Acre	Rate /unit Rs	Cost /Acre Rs
1.	LAND PREPARATION						
1.1	Ploughing	2.00	517	1033.00	2.00	800	1600.00
1.2	Planking	1.00	258	258.00	1.00	400	400.00
	SubTotal			1291.00			2000.00
2.	SEED AND SOWING OPERATIONS						
2.1	Seed (Kgs)	10.00	130.00	1300.00	10.00	140.00	1400.00
2.2	Seed treatment			70.00			80.00
	2.3 SOWING						
2.3.1	Ploughing	1.00	517	517.00	1.00	800.00	800.00
2.3.2	Charges for Pora/Kera or Tracter with Drill	1.00	516	516.00	1.00	562.93	563.00
	SubTotal			2403.00			2843.00
3	INTERCULTURE						
3.1	Hoing/Weeding (Man days)	3.00	525	1575.00	3.00	525.00	1575.00
	Sub Total			1575.00			1575.00
4	HARVESTING						
4.1	Harvesting Charges (Man. days)	4.00	525	2100.00	4.00	525.00	2100.00
4.2	Threshing Charges Kgs 1/20 th of Total Produce	8.50	120.00	1020.00	8.50	120.00	1020.00
4.3	Labour for threshing Charging	2.00	525.00	1050.00	2.00	525.00	1050.00
4.4	Loading & Transportation upto stores (100kgs)			77.04	1.70	83.97	142.76
	SubTotal			4247.04			4312.76
5	Land Rent @ Rs.7000 per Season			7000.00			7000.00
6	Mangement charges for 7 month of a manager @ Rs. 12,000 for 100 Acres	7.00	120	840.00	7.00	120.00	840.00
7	Agricultural income tax : 6 months			42.84			42.84
8	Gross Cost items(1 TO 7)			17399.00			18614.00
9	Value of Bhoosa @Rs 200 (per 40 kg)			680.00			850.00
10	Net cultivation cost (Item 8-9)			16719.00			17764.00
11	Yield Per Acre (Kgs)			170.00			170.00
12	Cost per kg at farm level			98.00			104.00
13	Cost per 40 kgs at farm level			3934.00			4180.00
14	Markeeting expences:(Rs /40 Kgs)			34.00			34.00
15	Cost per 40 kgs at Mandi gate.			3968.00			4214.00
16	Investment incentive @25 %			992.00			1053.50
17	Indicative price recommended			4960.00			5268.00

**COST OF PRODUCTION OF WHEAT CROP 2019-20 UNDER AVERAGE CONDITIONS
AND SOURCES IN THE PUNJAB.**

(Approved)

S.NO	Operation /Inputs	2018-2019			2019-2020		
		Ave.No. of oprs/units/acre	Rate/unit Rs	Cost/Acre Rs	Ave. No. of oprs/units/acre	Rate/unit Rs	Cost/Acre Rs
	LAND PREPARATION						
1	1.1 Deep ploughing	0.20	1173	235.00	0.20	1279	256.00
	1.2 Ploughing /Cultivator	2.00	516	1033.00	2.00	800	1600.00
	1.3 Ploughing +Planking	2.00	258	516.00	2.00	400	800.00
	1.4 Laser Leveling	0.30	1200	360.00	0.30	1300	390.00
	Sub Total			2144.00			3046.00
	SEED AND SOWING OPERATION						
	2.1 Seed (Kgs)	50.00	45	2250.00	50.00	50	2500.00
	2.2 Seed treatment			80.00			100.00
	2.3 SOWING						
2	2.3.1 Ploughing /Cultivator	2.00	516	1033.00	2.00	800	1600.00
	2.3.2 Planking	2.00	258	516.00	1.00	400	400.00
	2.3.3 Bund making (Man Days)	0.50	525	263.00	0.50	525	263.00
	2.3.4 Charges for Pora/Kera or Tracter with Drill	1.00	516	516.00	1.00	563	563.00
	Sub Total			4658.00			5426.00
	FERTILIZER: (bags)						
3	3.1 Urea	1.50	1640	2460.00	1.50	1840	2760.00
	3.2 DAP	1.00	3350	3350.00	1.00	3750	3750.00
	3.3 Transportation	2.50	20	51.00	2.50	22	55.00
	3.4 Fertilizer Application (M.days)	0.50	525	263.00	0.50	525	263.00
	Sub Total			6124.00			6828.00
4	FRAM YARD MANURE						
	4.1 Farm Yard manure including labour charges and transportation	0.10	2000	200.00	0.10	2000	200.00
	Sub Total			200.00			200.00
5	PLANT PROTECTION						
	5.1 Spray Weedicidides/Herbicidides with labour charges			1200.00			1300.00
6	IRRIGATION						
	6.1 Canal (Water Rate)			56.30			100.00
	6.2 Private tubewell(3Hrs/Irigation)	2.00	1000.00	2000.00	2.00	1000.00	2000.00
	SubTotal			2056.00			2100.00
7	LABOUR FOR IRRIGATION						
	7.1 Water course cleaning (M.days)	1.00	525	525.00	1.00	525.00	525.00
	7.2 Labour charges for irrigation (M.days)	1.00	525	525.00	1.00	525.00	525.00
	SubTotal			1050.00			1050.00
8	HARVESTING						
	8.1 Harvesting charges (Munds/Acre)	3.00	1200.00	3600.00	3.00	1240.00	3720.00
	8.2 Threshing charges (1/10 of produce)	3.00	1200.00	3600.00	3.00	1240.00	3720.00
	Sub Total			7200.00			7440.00
9	Land Rent for 6 Months@30,000 PA	0.50	25000	12500.00	0.50	30000.00	15000.00
10	Mangement charges for 6 Months of a manager @ Rs.16000 /16,000 PM for 100 acres	6.00	160	960.00	6.00	160.00	960.00
11	Agricultural Income Tax :			48.52			48.52
12	Gross Cost (Item 1 to 11)			38141.00			43399.00
13	Value of bhoosa @RS 300 per 40 kg			5891.00			9675.00
14	Net cultivation cost (item 12-13)			32250.00			33724.00
15	Yield per acre (kgs)			1309.00			1290
16	Cost per kg at farm level			24.64			26.14
17	Cost per 40 kgs at farm level			985.00			1046.00
18	Marketing expenses: (Rs. /40 kgs)			35.00			35.00
19	Cost pre 40 kgs at mandi gate.			1020.00			1081.00
20	Investment incentive @25%			255.00			270.00
21	Indicative price recommended			1275.00			1351.00