

Wheat : Estimates of Cost of Cultivation/Production and related data

	Bihar		Chhattisgarh		Gujarat		Haryana		Himachal Pradesh		Jharkhand	
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
	1	2	3	4	5	6	7	8	9	10	11	12
Cost of Cultivation per hectare(Rs)												
A1	14719.49	14321.91	11612.91	10156.47	18679.51	16037.40	21734.28	18023.06	8928.52	7586.75	17756.47	13074.84
A2	14719.49	14321.91	11612.91	10156.47	19186.26	16208.70	21756.21	18070.55	8958.61	7592.48	17756.47	13074.84
A2+FL	18899.03	17797.15	15504.71	13723.23	23622.92	18726.20	27745.15	22943.95	13822.68	11289.14	19058.10	18316.04
B1	16063.14	15263.18	13401.69	11540.43	20890.99	17207.02	25086.20	21195.89	12172.85	9819.97	18593.35	14624.51
B2	22271.25	20872.55	19219.32	17745.90	29404.62	24779.54	45181.57	37449.66	16908.08	14165.56	23560.71	18491.18
C1	20242.67	18738.42	17293.49	15107.19	25327.65	19724.52	31075.14	26069.29	17036.92	13516.64	19894.98	19865.71
C2	26450.78	24347.80	23111.12	21312.66	33841.28	27297.04	51170.51	42323.07	21772.14	17862.22	24862.35	23732.38
C2*	26450.78	24598.78	23111.12	21991.78	33841.28	27344.63	52129.86	43300.77	23480.24	18877.41	24862.35	23955.72
Yield per hectare (Quintals)	24.11	26.49	17.14	17.02	35.49	36.10	50.78	45.40	12.62	11.96	23.81	12.63
Value of the main-product per hectare (Rs)	25419.58	27002.82	20786.75	19937.51	45998.31	42945.21	65292.94	52958.95	14728.30	13169.41	26193.91	13596.08
Value of the by-product per hectare (Rs)	9469.17	5454.89	2483.75	4884.35	3718.07	2955.36	12002.24	10955.09	6207.66	5478.56	5948.26	2080.09
Implicit price (Rs./qtl.)	1054.32	1019.36	1212.76	1171.42	1296.09	1189.62	1285.80	1166.50	1167.06	1101.12	1100.12	1076.49
Cost of production per quintal (Rs)												
A1	443.09	448.93	604.26	482.61	488.36	415.51	361.28	329.28	495.60	448.41	600.83	895.68
A2	443.09	448.93	604.26	482.61	501.19	419.86	361.65	330.13	497.05	448.71	600.83	895.68
A2+FL	571.12	558.93	808.04	647.64	615.84	485.33	461.54	418.75	770.54	666.60	652.30	1257.77
B1	484.94	478.01	682.72	545.05	546.80	446.60	417.03	387.31	672.76	574.19	636.32	1003.64
B2	673.24	653.48	989.52	827.77	767.07	642.22	751.26	684.04	930.49	828.91	806.32	1270.80
C1	613.08	588.93	897.23	726.19	662.93	513.02	516.43	476.32	961.18	801.50	680.87	1362.04
C2	801.37	764.40	1204.03	1008.91	883.20	708.63	850.66	773.05	1218.91	1056.21	850.86	1629.20
C2*	801.37	772.31	1204.03	1040.85	883.20	709.92	866.60	790.84	1314.73	1115.89	850.86	1643.89
C3	881.507	849.54	1324.43	1144.94	971.52	780.91	953.26	869.93	1446.21	1227.48	935.95	1808.28
Material and labour inputs per hectare												
ITEM												
Seed (kgs.)	108.79	113.08	103.02	106.12	163.98	157.43	117.66	117.21	125.68	112.52	116.32	121.32
Fertiliser (kgs. of Nutrients)	119.58	125.60	111.41	108.20	177.19	178.80	203.06	202.95	53.12	57.80	106.81	92.12
Manure (Quintals)	0.51	0.25	0.00	0.00	2.01	1.12	0.06	0.25	30.43	24.60	0.00	0.00
Human Labour (Man Hours)	388.73	478.97	333.23	324.52	436.65	361.21	304.05	283.58	265.91	225.34	303.8	428.43
Animal Labour (Pair Hours)	18.54	32.05	51.82	35.38	7.89	9.22	2.99	2.33	47.59	34.23	0.00	106.04

(Contd..)

Wheat : Estimates of Cost of Cultivation/Production and related data

	Madhya Pradesh		Maharashtra		Punjab		Rajasthan		Uttar Pradesh		Uttarakhand		West Bengal		
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	
	1	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Cost of Cultivation per hectr															
A1	14164.25	12588.92	25686.16	21412.98	19076.34	16808.28	16664.11	12581.86	20430.17	17806.69	14208.45	14310.10	25537.54	19350.65	
A2	14164.25	12588.92	25686.16	21412.98	23278.63	21369.04	16832.83	12906.09	20897.78	18215.04	14208.45	14310.10	25537.54	19469.22	
A2+FL	17871.12	15504.33	30575.75	26179.45	25711.09	23063.23	26920.58	19595.57	26001.27	22306.96	21953.30	17879.43	31538.99	28567.61	
B1	16872.76	14184.82	29893.82	24808.00	22711.80	20442.49	20248.58	15858.96	23873.26	20623.12	16089.68	15845.71	26876.50	20144.94	
B2	29689.28	24616.92	37361.45	31721.79	46866.38	41289.79	30198.45	24941.41	37280.08	31892.52	26350.89	29670.45	34577.04	28068.38	
C1	20579.63	17100.23	34783.41	29574.47	25144.27	22136.68	30336.33	22548.44	28976.74	24715.04	23834.53	19415.03	32877.95	29243.33	
C2	33396.15	27532.33	42251.04	36488.27	49298.84	42983.98	40286.20	31630.89	42383.57	35984.44	34095.74	33239.78	40578.49	37166.77	
C2*	33396.15	27532.33	42251.04	36488.27	49792.47	43403.88	40893.88	32680.70	43113.10	36650.74	34095.74	33989.54	40578.49	37367.35	
Yield per hectare (Quintals)	33.60	28.17	31.42	28.37	49.51	42.87	41.34	39.56	37.52	36.81	26.48	34.80	28.33	29.11	
Value of the main-product per hectare (Rs)	43975.16	35638.09	43371.28	40539.28	63592.59	50621.04	50244.98	44535.77	42843.28	39529.38	30981.88	39371.67	28537.27	30067.24	
Value of the by-product per hectare (Rs)	7290.95	6090.29	1425.51	935.18	7640.40	7511.47	8909.28	9015.45	9167.01	8574.98	7127.91	7247.49	2264.89	1627.84	
Implicit price (Rs./qtl.)	1308.78	1265.11	1380.37	1428.95	1284.44	1180.80	1215.41	1125.78	1141.88	1073.88	1170.01	1131.37	1007.32	1032.88	
Cost of production per quint															
A1	364.69	383.35	801.32	738.71	344.01	342.40	343.09	264.41	448.87	397.43	437.65	352.24	843.79	632.46	
A2	364.69	383.35	801.32	738.71	418.82	436.19	346.17	271.16	459.60	406.47	437.65	352.24	843.79	637.17	
A2+FL	456.24	470.06	942.16	901.98	463.61	468.47	553.12	411.95	570.85	497.98	673.99	433.90	1031.41	930.97	
B1	432.95	433.80	929.19	855.70	409.33	417.01	413.68	333.68	524.07	460.10	499.04	397.12	889.36	659.26	
B2	757.28	744.75	1152.94	1093.11	844.66	837.21	619.92	525.43	819.21	711.91	816.86	728.60	1134.65	916.33	
C1	527.62	523.37	1075.24	1019.24	453.22	451.55	619.71	475.12	635.40	551.87	724.63	476.19	1080.71	953.51	
C2	851.95	834.21	1298.98	1256.65	888.55	871.74	825.94	666.87	930.55	803.68	1042.45	807.67	1326.00	1210.58	
C2*	951.95	834.21	1298.98	1256.65	897.37	880.26	838.38	688.92	946.67	818.50	1042.45	869.21	1326.00	1217.10	
C3	937.15	917.63	1428.88	1382.32	987.11	968.29	922.22	757.81	1041.33	900.35	1146.70	956.13	1458.60	1338.81	
Material and labour inputs p															
ITEM															
Seed (kgs.)	115.21	115.60	109.35	115.94	107.80	107.08	146.43	151.08	147.21	144.13	124.67	119.59	130.45	117.20	
Fertiliser (kgs. of Nutrients)	104.39	104.63	157.24	192.20	242.76	245.02	122.08	132.91	163.53	182.19	134.11	117.81	200.73	196.19	
Manure (Quintals)	0.06	0.03	0.00	0.33	4.27	0.76	5.87	3.43	1.29	1.16	17.22	21.86	8.02	5.58	
Human Labour (Man Hours)	289.59	287.76	557.48	519.59	161.99	160.83	505.09	464.34	452.34	440.28	436.25	356.36	762.00	829.91	
Animal Labour (Pair Hours)	8.90	14.23	18.33	43.86	0.99	0.76	3.91	6.48	8.50	5.58	21.19	0.54	62.36	89.51	

Note : The estimates are provisional unless specified.
 Cost A1 = All actual expenses in cash and kind incurred in production by owner.
 Cost A2 = Cost A1 + rent paid for leased-in land.
 Cost A2+FL = Cost A2 + imputed value of Family Labour.
 Cost B1 = Cost A1 + interest on value of owned capital assets (excluding land).
 Cost B2 = Cost B1 + rental value of owned land (net of land revenue) and rent paid for leased-in land.

Cost C1 = Cost B1 + imputed value of Family Labour.
 Cost C2 = Cost B2 + imputed value of Family Labour.
 Cost C2* = Cost C2 estimated by taking into account statutory minimum or actual wage whichever is higher.
 Cost C3 = Cost C2* + 10% of Cost C2* on account of managerial functions performed by farmer.
 Source : Directorate of Economics & Statistics, Ministry of Agriculture.

Wheat : Break-up of Cost of Cultivation per hectare (In Rs.)

Cost Items	Bihar		Chhattisgarh		Gujarat		Haryana		Himachal Pradesh		Jharkhand	
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	2	3	4	5	6	7	8	9	10	11	12	13
Operational Cost	18355.52	17544.16	15223.24	13468.58	22926.43	18402.28	27402.52	22563.70	13071.00	10779.52	18417.86	17706.60
Human Labour												
Casual	2167.79	2788.73	277.56	1300.17	3140.18	1870.41	3112.36	2988.89	764.08	308.88	3312.15	477.78
Attached	15.96	8.62	30.62	0.00	8.79	79.63	261.85	326.10	16.16	2.10	0.00	0.00
Family	4179.54	3475.24	3891.80	3566.76	4436.66	2517.50	5988.94	4873.40	4864.07	3696.66	1301.63	5241.20
Total	6363.29	6272.59	4199.98	4866.93	7585.63	4467.54	9363.15	8188.39	5644.31	4007.64	4613.78	5718.98
Bullock Labour												
Hired	135.23	273.65	17.09	0.00	55.79	113.29	0.13	1.30	357.05	94.71	0.00	9.01
Owned	384.40	562.92	1519.27	841.41	423.58	389.96	211.25	210.94	196.67	201.70	0.00	4207.13
Total	519.63	836.57	1536.36	841.41	479.37	503.25	211.38	212.24	553.72	296.41	0.00	4216.14
Machine Labour												
Hired	3866.72	3355.45	2124.37	648.86	3595.53	3555.83	5707.38	4875.29	2822.50	2817.06	6698.55	1899.08
Owned	44.28	41.56	244.79	511.83	440.19	134.43	1073.51	838.57	51.81	29.59	8.18	1.92
Total	3911.00	3397.01	2369.16	1160.69	4035.72	3690.26	6780.89	5713.86	2874.31	2846.65	6706.73	1901.00
Seed	2237.43	2005.28	1637.22	1760.86	2873.82	3085.21	1813.56	1825.32	1472.42	1351.22	2326.45	2241.78
Fertilisers and Manure												
Fertilisers	2549.97	2050.60	2193.37	1565.39	3261.04	2556.78	3867.82	2729.87	769.69	686.99	2559.75	1495.00
Manure	27.62	6.34	0.00	0.00	98.53	53.55	2.38	2.04	1369.41	1068.48	0.00	0.00
Total	2577.59	2056.94	2193.37	1565.39	3359.57	2610.33	3870.20	2731.91	2139.10	1755.47	2559.75	1495.00
Insecticides	0.00	0.00	7.63	7.92	176.44	318.21	647.07	673.82	26.56	32.16	0.00	0.00
Irrigation charges	2317.00	2549.44	2936.14	2965.32	3855.58	3246.11	4066.90	2636.34	111.89	275.34	1692.48	1755.96
Interest on working capital	429.58	426.33	343.38	300.06	560.30	481.37	648.90	536.07	248.69	214.63	518.67	377.74
Miscellaneous	0.00	0.00	0.00	0.00	0.00	0.00	0.47	45.75	0.00	0.00	0.00	0.00
Fixed Cost	8095.26	6803.64	7887.88	7844.08	10914.85	8894.76	23767.99	19759.37	8701.14	7082.70	6444.49	6025.78
Rental value of owned land	6208.11	5609.38	5817.62	6205.47	8006.88	7401.21	20073.43	16206.28	4705.13	4339.85	4967.37	3866.67
Rent paid for leased-in land	0.00	0.00	0.00	0.00	506.75	171.30	21.94	47.49	30.09	5.74	0.00	0.00
Land revenue, cesses & taxes	23.99	30.92	3.66	3.20	7.46	9.12	0.00	0.00	13.18	18.13	9.88	24.97
Depreciation on implements & Farm buildings	519.52	222.08	277.82	251.45	182.28	143.51	320.69	332.77	708.40	485.76	430.36	584.47
Interest on fixed capital	1343.64	941.26	1788.78	1383.96	2211.48	1169.62	3351.93	3172.83	3244.34	2233.22	1036.88	1549.67
Total Cost	26450.78	24347.80	23111.12	21312.66	33841.28	27297.04	51170.51	42323.07	21772.14	17862.22	24862.35	23732.38
Operational Cost (based on new methodology)	18355.52	17795.14	15223.24	14147.70	22926.43	18449.87	27402.52	23541.40	14779.10	11794.71	18417.86	17929.94
Human Labour (based on new methodology)	6363.29	6523.57	4199.98	5546.05	7585.63	4515.13	9363.15	9166.09	7352.41	5022.83	4613.78	5942.32
Total Cost (based on new methodology)	26450.78	24598.78	23111.12	21991.78	33841.28	27344.63	52129.86	43300.77	23480.24	18877.41	24862.35	23955.72

(Contd..)

Wheat : Break-up of Cost of Cultivation per hectare (In Rs.)

Cost Items	Madhya Pradesh		Maharashtra		Punjab		Rajasthan		Uttar Pradesh		Uttarakhand		West Bengal	
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Operational Cost	17459.71	15097.16	29946.11	25748.13	21054.75	18119.57	26389.11	18855.18	24770.01	21287.69	21440.38	17614.32	31115.14	28091.42
Human Labour														
Casual	1654.35	1513.60	4931.48	2926.10	2400.28	2365.86	2133.72	1535.43	3134.13	2418.90	2793.27	2324.97	8009.36	4231.05
Attached	107.79	149.49	944.82	684.90	498.79	455.92	171.87	211.75	52.71	52.00	8.35	94.71	242.83	14.11
Family	3706.87	2915.41	4889.59	4766.47	2432.46	1694.19	10087.75	6689.48	5103.49	4091.92	7744.85	3569.33	6001.45	9098.39
Total	5469.01	4578.50	10765.89	8377.47	5331.53	4515.97	12393.34	8436.66	8290.33	6562.82	10546.47	5989.01	14253.64	13343.55
Bullock Labour														
Hired	49.60	72.09	205.32	586.96	12.32	1.51	17.88	38.86	15.71	9.72	506.74	0.00	475.01	333.21
Owned	273.44	476.27	978.39	1827.44	59.49	58.74	187.30	93.27	502.03	606.58	337.11	13.18	1465.44	2380.03
Total	323.04	548.36	1183.71	2414.40	71.81	60.25	205.18	132.13	517.74	616.30	843.85	13.18	1940.45	2713.24
Machine Labour														
Hired	4289.30	3719.50	5189.35	4784.90	5197.02	4897.56	4249.75	3335.74	4793.33	4675.29	2256.28	4400.54	2460.99	2570.38
Owned	233.90	193.16	1641.19	110.29	1539.54	1522.93	302.96	64.74	367.18	352.39	749.60	637.69	93.09	10.25
Total	4523.20	3912.66	6830.54	4895.19	6736.56	6420.49	4552.71	3400.48	5160.51	5027.68	3005.88	5038.23	2554.08	2580.63
Seed	1911.58	1937.81	2781.08	2966.15	1812.84	1574.70	2185.64	2352.01	2330.47	2217.91	1683.72	1643.70	2578.07	2111.07
Fertilisers and Manure														
Fertilisers	2224.99	1509.70	3217.67	2884.93	4417.88	3259.93	2528.68	1950.51	3658.40	2691.07	2705.08	1611.16	4854.10	3164.07
Manure	2.79	1.03	0.00	60.14	52.64	7.59	308.25	145.29	63.61	40.38	1100.38	1281.38	741.19	342.65
Total	2227.78	1510.73	3217.67	2945.07	4470.52	3267.52	2836.93	2095.80	3722.01	2731.45	3805.46	2892.54	5595.29	3506.72
Insecticides	11.74	13.64	180.10	106.05	1468.05	1337.59	32.79	16.93	37.72	40.30	251.97	164.91	283.33	102.96
Irrigation charges	2575.41	2226.29	4227.83	3407.99	495.76	340.40	3688.54	2052.51	4114.77	3570.11	882.67	1447.14	3145.78	3148.20
Interest on working capital	416.75	369.17	759.29	635.81	564.31	497.74	493.98	368.66	595.96	521.08	415.02	425.61	761.02	575.55
Miscellaneous	1.20	0.00	0.00	0.00	103.37	104.91	0.00	0.00	0.50	0.04	5.34	0.00	3.48	9.50
Fixed Cost	15936.44	12435.17	12304.93	10740.14	28244.09	24864.41	13897.09	12775.71	17613.56	14696.75	12655.36	15625.46	9463.35	9075.35
Rental value of owned land	12816.53	10432.10	7467.62	6913.79	19952.29	16286.54	9781.15	8758.22	12939.21	10861.05	10261.21	13824.74	7700.54	7804.87
Rent paid for leased-in land	0.00	0.00	0.00	0.00	4202.29	4560.76	168.72	324.23	467.62	408.35	0.00	0.00	0.00	118.57
Land revenue, cesses & taxes	5.35	4.44	16.52	21.29	0.00	0.00	10.90	10.28	5.69	6.47	2.93	6.65	27.56	34.83
Depreciation on implements & Farm buildings	406.05	402.73	613.13	410.04	454.04	382.90	351.85	405.88	757.95	604.46	509.99	258.46	396.29	322.79
Interest on fixed capital	2708.51	1595.90	4207.66	3395.02	3635.47	3634.21	3584.47	3277.10	3443.09	2816.42	1881.23	1535.61	1338.96	794.29
Total Cost	33396.15	27532.33	42251.04	36488.27	49298.84	42983.98	40286.20	31630.89	42383.57	35984.44	34095.74	33239.78	40578.49	37166.77
Operational Cost (based on new methodology)	17459.71	15097.00	29946.11	25748.13	21548.38	18539.47	26996.79	19904.99	25499.54	21953.99	21440.38	18364.08	31115.14	28292.00
Human Labour (based on new methodology)	5469.01	4578.50	10765.89	8377.47	5825.16	4935.87	13001.02	9486.47	9019.86	7229.12	10546.47	6738.77	14253.64	13544.13
Total Cost (based on new methodology)	33396.15	27532.33	42251.04	36488.27	49792.47	43403.88	40893.88	32680.7	43113.1	36650.74	34095.74	33989.54	40578.49	37367.35

Barley : Estimates of Cost of Cultivation/Production and related data

	Rajasthan		Uttar Pradesh	
	2011-12	2010-11	2011-12	2010-11
1	2	3	4	5
Cost of Cultivation per hectare(Rs)				
A1	15807.96	9310.65	16721.64	15879.24
A2	15871.90	9431.78	16721.64	16003.07
A2+FL	27909.89	16392.47	22253.73	20192.51
B1	19615.68	11207.49	19425.28	17674.60
B2	28914.38	17133.71	29723.41	27838.71
C1	31653.67	18168.17	24957.37	21864.04
C2	40952.37	24094.39	35255.50	31573.15
C2*	40952.37	24865.35	35255.50	31890.20
Yield per hectare (Quintals)	34.15	28.26	33.92	33.72
Value of the main-product per hectare (Rs)	46281.16	28604.01	38489.29	32743.93
Value of the by-product per hectare (Rs)	9390.99	7140.36	9743.82	7507.75
Implicit price (Rs./qtl.)	1355.23	1012.17	1134.71	971.05
Cost of production per quintal (Rs)				
A1	388.15	260.27	387.84	384.06
A2	390.04	262.92	387.84	387.27
A2+FL	679.41	464.19	523.53	487.14
B1	473.76	305.31	452.12	427.50
B2	696.56	483.48	698.60	665.20
C1	772.45	498.28	580.87	532.28
C2	995.26	676.45	827.36	769.98
C2*	995.26	698.13	827.36	777.71
C3	1094.79	767.95	910.10	855.48
Material and labour inputs per hectare				
ITEM				
Seed (kgs.)	143.40	123.03	127.82	134.10
Fertiliser (kgs. of Nutrients)	67.62	62.67	128.20	125.79
Manure (Quintals)	18.66	1.26	0.00	1.20
Human Labour (Man Hours)	501.59	391.85	466.65	459.67
Animal Labour (Pair Hours)	7.69	9.96	5.53	22.02

Note : The estimates are provisional unless specified.

Cost A1 = All actual expenses in cash and kind incurred in production by owner.

Cost A2 = Cost A1 + rent paid for leased-in land.

Cost A2+FL = Cost A2 + imputed value of Family Labour.

Cost B1 = Cost A1 + interest on value of owned capital assets (excluding land).

Cost B2 = Cost B1 + rental value of owned land (net of land revenue) and rent paid for leased-in land.

Cost C1 = Cost B1 + imputed value of Family Labour.

Cost C2 = Cost B2 + imputed value of Family Labour.

Cost C2* = Cost C2 estimated by taking into account statutory minimum or actual wage whichever is higher.

Cost C3 = Cost C2* + 10% of Cost C2* on account of managerial functions performed by farmer.

Source : Directorate of Economics & Statistics, Ministry of Agriculture.

Barley : Break-up of Cost of Cultivation per hectare (In Rs.)

Cost Items	Rajasthan		Uttar Pradesh	
	2011-12	2010-11	2011-12	2010-11
1	2	3	4	5
Operational Cost	26448.53	15934.75	21690.45	19640.64
Human Labour				
Casual	1951.99	972.85	3432.35	2555.64
Attached	108.05	69.02	0.00	49.81
Family	12037.99	6960.69	5532.09	4189.44
Total	14098.03	8002.56	8964.44	6794.89
Bullock Labour				
Hired	31.19	87.70	0.00	0.00
Owned	397.02	69.95	452.48	2239.02
Total	428.21	157.65	452.48	2239.02
Machine Labour				
Hired	3655.80	3037.09	4014.52	3730.48
Owned	463.94	25.80	492.11	416.15
Total	4119.74	3062.89	4506.63	4146.63
Seed	2154.91	1822.90	1991.18	1597.96
Fertilisers and Manure				
Fertilisers	1493.45	945.29	2988.96	1843.98
Manure	1063.07	63.13	0.00	5.76
Total	2556.52	1008.42	2988.96	1849.74
Insecticides	41.89	15.30	0.00	0.00
Irrigation charges	2582.24	1593.09	2297.11	2544.18
Interest on working capital	466.99	271.94	489.65	468.22
Miscellaneous		0.00	0.00	0.00
Fixed Cost	13503.84	8159.64	13565.05	11932.51
Rental value of owned land	9234.76	5805.10	10298.13	9585.28
Rent paid for leased-in land	63.94	121.12	0.00	123.82
Land revenue, cesses & taxes	12.78	5.18	14.15	17.08
Depreciation on implements & Farm buildings	384.64	331.41	549.14	410.97
Interest on fixed capital	3807.72	1896.83	2703.63	1795.36
Total Cost	39952.37	24094.39	35255.50	31573.15
Operational Cost (based on new methodology)	26448.53	16705.71	21690.45	19957.69
Human Labour (based on new methodology)	14098.03	8773.52	8964.44	7111.94
Total Cost (based on new methodology)	40952.37	24465.35	35255.50	31890.20

Gram : Estimates of Cost of Cultivation/Production and related data

	Andhra Pradesh		Bihar		Chhattisgarh		Haryana		Karnataka		Madhya Pradesh		Maharashtra		Rajasthan		Uttar Pradesh		
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Cost of Cultivation per hectare(Rs)																			
A1	15648.39	15305.82	9996.20	10141.41	10879.45	7800.43	6678.05	3950.35	12669.17	10106.57	13579.68	9361.45	18032.07	12434.84	9054.28	5532.95	13353.71	10949.39	
A2	15648.39	18789.87	9996.20	10141.41	10879.45	7800.43	6678.05	3950.35	12669.17	10106.57	13579.68	9361.45	18032.07	12434.84	9054.28	5576.57	13353.71	10949.39	
A2+FL	16976.79	20057.82	11305.68	10830.89	13358.53	10343.29	11304.15	9254.78	14040.09	11922.87	16280.13	11447.59	21775.53	14854.05	14068.57	9239.09	18846.89	15699.33	
B1	17974.75	16298.03	10728.49	10705.13	12758.80	8806.79	9068.41	5545.51	14117.88	10661.61	15737.21	10716.20	21442.25	14588.40	12002.42	7531.15	14975.12	12161.66	
B2	27280.16	25741.29	18313.33	17834.71	19007.99	14132.90	16048.06	9929.52	20423.65	14658.28	27247.66	16571.62	27810.68	18647.39	17211.97	10983.89	25253.73	21361.58	
C1	19303.15	17565.98	12037.97	11394.61	15237.88	11349.66	13694.51	10849.94	15488.80	12477.91	18437.66	12802.34	25185.70	17007.61	17016.71	11193.67	20468.30	16911.60	
C2	28608.56	27009.25	19622.81	18524.20	21487.06	16675.76	20674.15	15233.95	21794.57	16474.59	29948.11	18657.75	31554.14	21066.61	22226.27	14646.41	30746.91	26111.52	
C2*	28608.56	27045.77	19707.14	20258.05	21514.97	17047.46	20678.30	15373.39	21865.03	16474.59	29948.11	18724.82	31554.14	21066.61	22226.27	15180.88	31044.27	26111.52	
Yield per hectare (Quintals)	7.44	13.48	8.72	15.27	9.23	10.28	5.65	5.28	7.95	8.37	11.83	10.19	107.00	9.74	8.00	8.65	12.09	12.39	
Value of the main-product per hectare (Rs)	30367.72	31897.31	29772.08	36421.65	23968.69	20239.04	20069.11	13106.96	29453.31	19079.50	44358.08	22120.36	37424.71	23577.78	29328.54	18541.60	38563.17	28995.21	
Value of the by-product per hectare (Rs)	650.33	456.22	1769.64	852.25	1028.05	1065.39	1148.10	1933.92	606.49	169.96	1683.73	1301.30	778.23	771.35	1922.53	2126.22	1399.00	2506.33	
Implicit price (Rs./qtl.)	4081.68	2366.27	3414.23	2385.18	2596.82	1968.78	3552.05	2482.38	3704.82	2279.51	3749.63	2170.79	349.76	2420.72	3666.07	2143.54	3189.67	2340.21	
Cost of production per quintal (Rs)																			
A1	2204.75	1102.48	1086.97	640.24	1130.36	721.01	1034.78	814.86	1584.50	1207.82	1104.00	872.48	1657.71	1240.02	1125.26	570.14	1013.41	808.24	
A2	2204.75	1342.44	1086.97	640.24	1130.36	721.01	1034.78	814.86	1584.50	1207.82	1104.00	872.48	1657.71	1240.02	1125.26	574.12	1013.41	808.24	
A2+FL	2233.99	1466.99	1223.78	693.07	1387.77	955.84	1892.47	1527.43	1730.42	1411.90	1325.85	1061.00	199.36	1476.74	1650.39	958.22	1504.31	1166.28	
B1	2486.52	1180.17	1163.25	683.56	1325.62	814.03	1452.45	1043.24	1797.83	1277.81	1282.81	999.23	1978.84	1455.39	1428.18	795.61	1147.06	905.57	
B2	3532.23	1871.97	1973.40	1138.39	1974.90	1306.33	2653.45	1692.71	2508.09	1736.85	2205.22	1531.92	2532.21	1851.37	2012.15	1142.61	1963.72	1580.45	
C1	2682.17	1284.14	1314.60	731.48	1583.20	1049.07	2271.35	1861.84	1973.74	1490.99	1512.49	1196.12	2339.35	1699.87	2016.42	1168.53	1635.38	1258.72	
C2	3727.88	1975.95	2124.75	1186.32	2232.48	1541.37	3472.35	2511.31	2684.00	1950.04	2434.90	1728.81	2892.72	2095.84	2600.39	1515.53	2452.04	1933.60	
C2*	3727.88	1978.16	2133.84	1297.18	2235.12	1575.39	3473.07	2536.66	2692.73	1950.04	2434.90	1734.44	2892.72	2095.84	2600.39	1570.38	2475.93	1933.60	
C3	4100.67	2175.98	2347.23	1426.90	2458.63	1732.92	3818.35	2790.33	2962.00	2145.04	2678.39	1907.89	3181.99	2305.42	2860.43	1727.41	2723.53	2126.96	
Material and labour inputs per hectare																			
ITEM																			
Seed (kgs.)	88.75	102.01	57.48	85.77	80.77	82.55	43.24	40.06	71.39	64.06	92.22	87.60	84.89	70.95	57.73	58.09	93.75	94.37	
Fertiliser (kgs. of Nutrients)	64.27	98.98	25.92	50.63	35.17	45.65	23.63	5.41	49.35	39.34	41.36	39.29	63.04	46.90	12.73	17.59	30.85	38.16	
Manure (Quintals)	13.22	0.65	0.00	0.64	0.00	0.00	0.00	0.00	0.80	0.00	0.08	0.12	2.36	0.00	0.02	0.00	0.00	0.00	
Human Labour (Man Hours)	254.17	231.09	240.61	403.96	261.63	220.89	134.24	193.88	280.39	328.96	252.54	230.43	388.78	379.26	233.90	218.83	450.64	400.40	
Animal Labour (Pair Hours)	15.24	19.23	0.00	0.23	52.82	31.86	6.64	2.91	31.61	34.40	7.65	11.91	28.96	39.66	3.69	3.82	3.27	5.96	

Note : The estimates are provisional unless specified.

Cost A1 = All actual expenses in cash and kind incurred in production by owner.

Cost A2 = Cost A1 + rent paid for leased-in land.

Cost A2+FI = Cost A2 + imputed value of Family Labour.

Cost B1 = Cost A1 + interest on value of owned capital assets (excluding land).

Cost B2 = Cost B1 + rental value of owned land (net of land revenue)

and rent paid for leased-in land.

Cost C1 = Cost B1 + imputed value of Family Labour.

Cost C2 = Cost B2 + imputed value of Family Labour.

Cost C2* = Cost C2 estimated by taking into account statutory

minimum or actual wage whichever is higher.

Cost C3 = Cost C2* + 10% of Cost C2* on account of managerial

functions performed by farmer.

Source : Directorate of Economics & Statistics,

Ministry of Agriculture.

Gram : Break-up of Cost of Cultivation per hectare (In Rs.)

Cost Items	Andhra Pradesh		Bihar		Chhattisgarh		Haryana		Karnataka		Madhya Pradesh		Maharashtra		Rajasthan		Uttar Pradesh	
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Operational Cost	16711.20	16270.11	11108.24	10595.44	13002.75	10080.04	11118.83	9083.73	13924.82	11753.15	15830.99	11037.21	21323.58	14346.89	13809.52	8958.47	18428.08	15128.88
Human Labour																		
Casual	4724.33	4235.09	2302.93	3072.62	815.47	1068.09	246.69	438.41	3716.20	3206.53	1971.27	1488.99	3209.95	3096.86	1443.85	880.05	2165.92	1839.39
Attached	281.70	80.55	131.37	5.99	60.42	0.00	0.00	0.00	0.76	22.03	160.61	74.64	653.21	211.24	157.26	19.51	1.84	19.76
Family	1328.40	1267.95	1309.48	689.48	2479.08	2542.86	4626.10	5304.43	1370.92	1816.30	2700.45	2086.14	3743.46	2419.21	5014.29	3662.52	5493.18	4749.94
Total	6334.43	5583.59	3743.78	3768.09	3354.97	3610.95	4872.79	5742.84	5087.88	5044.86	4832.33	3649.77	7606.62	5727.31	6615.40	4562.08	7660.94	6609.09
Bullock Labour																		
Hired	128.73	288.61	0.00	0.00	0.00	0.00	112.96	53.11	256.70	896.57	39.96	77.78	339.29	666.99	8.98	4.24	27.56	73.87
Owned	616.80	642.38	0.00	11.42	1893.88	1217.52	394.92	243.14	980.92	348.16	284.51	347.39	1567.31	1529.26	256.70	94.27	153.45	439.41
Total	745.53	930.99	0.00	11.42	1893.88	1217.52	507.88	296.25	1237.62	1244.73	324.47	425.17	1906.60	2196.25	265.68	98.51	181.01	513.28
Machine Labour																		
Hired	2117.46	3200.03	3636.90	1738.58	1407.15	1656.68	899.90	1319.33	1759.00	1216.65	2888.55	2576.51	2880.26	2141.13	2424.12	1767.41	4507.67	3429.77
Owned	323.74	37.74	41.06	18.14	179.94	163.84	1133.70	356.93	173.03	237.27	196.47	103.44	464.30	123.65	147.39	44.80	83.49	551.73
Total	2441.20	3237.77	3677.96	1756.72	1587.09	1820.52	2033.60	1676.26	1932.03	1453.92	3085.02	2679.95	3344.56	2264.78	2571.51	1812.21	4591.16	3981.50
Seed	3365.75	2194.56	2214.96	2218.07	2640.51	2060.59	1309.62	987.88	2598.89	1740.07	3994.86	2310.00	3426.49	2093.72	2120.01	1524.48	3745.11	2547.81
Fertilisers and Manure																		
Fertilisers	1497.40	1798.93	739.31	844.30	924.28	806.20	679.21	84.57	1127.23	681.54	1243.17	646.10	1717.76	872.95	340.28	298.61	842.18	624.86
Manure	556.84	19.54	0.00	9.62	0.00	0.00	0.00	0.00	110.29	0.00	9.37	8.32	205.98	0.00	0.85	0.00	0.00	0.00
Total	2054.24	1818.47	739.31	853.92	924.28	806.20	679.21	84.57	1237.52	681.54	1252.54	654.42	1923.74	872.95	341.13	298.61	842.18	624.86
Insecticides	1287.39	2042.99	267.28	16.94	769.64	335.86	0.00	18.52	1405.68	1279.52	709.37	482.50	321.52	324.67	61.48	256.38	4.18	3.38
Irrigation charges	12.61	0.00	168.02	1670.10	1513.48	0.00	1518.98	162.89	44.78	7.39	1211.67	559.02	2261.33	500.31	1567.79	245.72	1011.53	534.45
Interest on working capital	466.15	454.61	296.93	300.18	318.90	228.40	196.75	114.52	380.42	301.12	397.90	271.24	532.72	361.44	266.52	160.48	391.97	314.51
Miscellaneous	3.90	7.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.83	5.14	0.00	5.46	0.00	0.00	0.00	0.00
Fixed Cost	11897.36	10739.14	8514.57	7928.76	8484.31	6595.72	9555.33	6150.22	7869.76	4721.44	14117.12	7620.54	10230.56	6719.72	8416.75	5687.94	12318.83	10982.64
Rental value of owned land	9305.42	5959.21	7584.84	7129.58	6249.18	5326.11	6979.65	4384.01	6305.77	3996.68	11510.45	5855.42	6368.43	4059.00	5209.55	3409.12	10278.61	9199.92
Rent paid for leased-in land	0.00	3484.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.62	0.00	0.00
Land revenue, cesses & taxes	0.32	1.55	22.50	38.06	1.80	3.19	0.00	0.00	7.70	6.35	6.31	5.55	20.47	27.82	5.88	3.31	5.58	16.35
Depreciation on implements & Farm buildings	265.27	302.11	174.94	197.40	353.98	260.05	185.32	171.05	107.57	163.37	442.83	404.82	431.49	479.34	253.18	233.69	413.23	554.10
Interest on fixed capital	2326.35	992.21	732.29	563.72	1879.35	1006.37	2390.36	1595.16	1448.72	555.04	2157.53	1354.75	3410.17	2153.56	2948.14	1998.20	1621.41	1212.27
Total Cost	28608.56	27009.25	19622.81	18524.20	21487.06	16675.76	20674.16	15233.95	21794.58	16474.59	29948.11	18657.75	31554.14	21066.61	22226.27	14646.41	30746.91	26111.52
Operational Cost (based on new methodology)	16711.20	16306.63	11192.57	12329.29	13030.66	10451.74	11122.98	9223.17	13995.28	11753.15	15830.99	11104.28	21323.58	14345.89	13809.52	9482.94	18725.44	15128.88
Human Labour (based on new methodology)	6334.43	5620.11	3828.11	5501.94	3382.88	3982.65	4876.94	5882.28	5158.34	5044.86	4832.33	3716.84	7606.62	5727.31	6615.40	5086.55	7958.30	6609.09
Total Cost (based on new methodology)	28608.56	27045.77	19707.14	20258.05	21514.97	17047.46	20678.30	15373.39	21865.03	16474.59	29948.11	18724.82	31554.14	21066.61	22226.27	15180.88	31044.27	26111.52

Lentil (Masur) : Estimates of Cost of Cultivation/Production and related data

	Bihar		Madhya Pradesh		Uttar Pradesh		West Bengal	
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	2	3	4	5	6	7	8	9
Cost of Cultivation per hectare(Rs)								
A1	7870.47	7497.54	9725.57	7441.11	9312.85	8954.65	12325.11	11181.75
A2	7870.47	7497.54	9725.57	7441.11	9312.85	8954.65	12325.11	11181.75
A2+FL	10015.72	8748.27	11534.57	8717.64	12677.73	11850.90	16743.45	15723.99
B1	8975.82	8014.02	11090.61	8046.12	11852.50	10595.12	13072.26	11959.37
B2	16321.88	14330.43	17727.47	11882.65	19788.06	19718.38	19475.11	19121.31
C1	11121.07	9264.75	12899.61	9322.64	15217.38	13891.36	17490.60	16501.61
C2	18467.14	15581.16	19536.46	13159.17	23152.94	22614.62	23893.45	23663.55
C2*	18467.14	16438.76	19536.46	13160.90	23190.99	22771.39	24007.96	23663.55
Yield per hectare (Quintals)	8.15	9.21	8.82	4.86	8.99	9.86	7.70	9.06
Value of the main-product per hectare (Rs)	23562.67	30943.15	25303.07	14566.58	29443.63	29813.38	24858.32	27378.07
Value of the by-product per hectare (Rs)	1779.42	1132.34	1244.34	779.54	952.31	1160.67	753.08	1269.67
Implicit price (Rs./qtl.)	2891.13	3359.73	2868.83	2997.24	3275.15	3023.67	3228.35	3021.86
Cost of production per quintal (Rs)								
A1	897.04	784.69	1064.70	1473.72	974.56	865.57	1562.88	1178.35
A2	897.04	784.69	1064.70	1473.72	974.56	865.57	1562.88	1178.35
A2+FL	1142.63	916.33	1246.48	1702.64	1366.02	1156.88	2110.54	1658.62
B1	1029.79	838.93	1206.74	1603.22	1253.91	1017.13	1654.73	1259.59
B2	1880.57	1512.67	1907.15	2322.83	2099.80	1890.67	2467.15	2010.45
C1	1256.57	957.94	1410.16	1858.76	1646.24	1330.71	2197.45	1745.28
C2	2107.36	1631.68	2110.58	2578.37	2492.13	2204.25	3009.87	2496.15
C2*	2107.36	1722.36	2110.58	2578.74	2497.49	2219.33	3024.98	2496.15
C3	2318.10	1894.60	2361.64	2836.62	2747.24	2441.26	3327.48	2745.77
Material and labour inputs per hectare								
ITEM								
Seed (kgs.)	30.94	31.20	44.23	45.35	50.98	65.88	40.05	43.68
Fertiliser (kgs. of Nutrients)	25.27	39.31	23.97	19.15	30.84	27.70	67.48	54.67
Manure (Quintals)	0.00	0.00	1.13	0.14	0.00	0.00	0.00	0.92
Human Labour (Man Hours)	257.30	317.09	243.70	199.93	364.61	343.86	413.68	484.22
Animal Labour (Pair Hours)	16.20	21.53	4.44	18.08	17.34	9.49	21.67	103.61

Note : The estimates are provisional unless specified.

Cost C1 = Cost B1 + imputed value of Family Labour.

Cost A1 = All actual expenses in cash and kind incurred in production by

Cost C2 = Cost B2 + imputed value of Family Labour.

Cost A2 = Cost A1 + rent paid for leased-in land.

Cost C2* = Cost C2 estimated by taking into account statutory minimum or actual wage whichever is higher.

Cost A2+FL = Cost A2 + imputed value of Family Labour.

Cost B1 = Cost A1 + interest on value of owned capital assets (excluding

Cost C3 = Cost C2* + 10% of Cost C2* on account of managerial functions performed by farmer.

Cost B2 = Cost B1 + rental value of owned land (net of land revenue) and rent paid for leased-in land.

Source : Directorate of Economics & Statistics, Ministry of Agriculture.

Lentil (Masur) : Break-up of Cost of Cultivation per hectare (In Rs.)

Cost Items	Bihar		Madhya Pradesh		Uttar Pradesh		West Bengal	
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	2	3	4	5	6	7	8	9
Operational Cost	9813.33	8544.14	11138.04	8352.69	12266.51	11404.07	16466.31	15321.22
Human Labour								
Casual	2223.24	2205.69	2145.21	1769.13	2193.61	1861.55	4504.54	3607.20
Attached	81.32	4.75	137.25	31.53	7.52	271.05	23.38	9.11
Family	2145.25	1250.73	1809.00	1276.53	3364.88	2896.25	4418.34	4542.24
Total	4449.81	3461.17	4091.46	3077.19	5566.01	5028.85	8946.26	8158.55
Bullock Labour								
Hired	0.00	14.61	35.23	140.27	15.45	16.84	331.00	1651.84
Owned	737.53	512.88	157.46	156.75	833.17	444.53	271.41	893.08
Total	737.53	527.49	192.69	297.02	848.62	461.37	602.41	2544.92
Machine Labour								
Hired	2332.40	1971.59	2928.00	2539.13	1949.30	1857.99	1881.18	810.46
Owned	16.95	26.85	94.32	49.88	539.60	629.50	18.60	17.55
Total	2349.35	1998.44	3022.32	2589.01	2488.90	2487.49	1899.78	828.01
Seed	1257.25	1162.39	1553.95	1488.93	1991.51	2482.61	2025.68	1961.96
Fertilisers and Manure								
Fertilisers	719.63	734.82	737.77	319.11	756.73	450.37	2349.23	1081.77
Manure	0.00	0.00	39.64	4.32	0.00	0.00	0.00	73.35
Total	719.63	734.82	777.41	323.43	756.73	450.37	2349.23	1155.12
Insecticides	66.27	0.00	246.95	296.28	0.00	0.00	71.68	46.77
Irrigation charges	1.12	438.82	967.34	63.49	344.99	235.57	195.07	299.25
Interest on working capital	232.37	221.01	282.70	214.43	269.75	257.81	365.09	326.64
Miscellaneous		0.00	3.22	2.91	0.00	0.00	11.11	0.00
Fixed Cost	8653.81	7037.02	8398.42	4806.48	10886.43	11210.55	7427.14	8342.33
Rental value of owned land	7346.06	6316.41	6636.85	3836.53	7935.56	9123.26	6402.85	7161.94
Rent paid for leased-in land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land revenue, cesses & taxes	22.38	30.52	7.39	5.64	9.42	14.09	21.46	121.98
Depreciation on implements & Farm buildings	180.01	173.62	389.14	359.31	401.80	432.73	255.67	280.78
Interest on fixed capital	1105.36	516.47	1365.04	605.00	2539.65	1640.47	747.16	777.63
Total Cost	18467.14	15581.16	19536.46	13159.17	23152.94	22614.62	23893.45	23663.55
Operational Cost (based on new methodology)	9813.33	9401.74	11138.04	8354.42	12304.56	11560.84	16466.31	15321.22
Human Labour (based on new methodology)	4449.81	4318.77	4091.46	3078.92	5604.06	5185.62	8946.26	8158.55
Total Cost (based on new methodology)	18467.14	16438.76	19536.46	13160.90	23190.99	22771.39	24007.96	23663.55

Rapeseed & Mustard : Estimates of Cost of Cultivation/Production and related data

1	Assam		Bihar		Gujarat		Haryana		Madhya Pradesh		Rajasthan		Uttar Pradesh		West Bengal	
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Cost of Cultivation per hectare(Rs)																
A1	8618.02	8582.79	13820.62	9776.63	13661.75	13348.35	13407.35	10117.54	11545.13	7860.08	9861.00	7211.61	12136.03	8562.80	15046.51	13053.85
A2	8618.02	8606.40	13820.62	9776.63	13661.75	13348.35	13407.35	10117.54	11545.13	7860.08	9913.52	7455.36	12231.28	8699.57	15048.62	13393.34
A2+FL	16859.93	14693.70	17430.04	13476.44	17923.91	16659.48	18439.97	14120.12	15084.43	10554.61	16846.85	11767.67	17560.20	13667.83	21378.52	21519.70
B1	10134.52	9474.76	14956.90	10526.34	16696.07	14832.96	17626.19	12108.00	13473.95	10396.84	13334.23	10135.90	15173.96	11224.22	16030.98	13578.41
B2	13932.81	12606.84	21835.15	18029.70	26542.76	22099.03	36902.64	25580.58	25352.95	19955.00	21108.05	16516.95	25924.04	21798.39	24560.35	22306.31
C1	18376.43	15562.06	18566.32	14226.15	20958.23	18144.10	22658.81	16110.58	17013.25	13091.67	20267.56	14448.21	20502.88	16192.48	22360.88	21704.77
C2	22174.72	18694.15	25444.57	21729.52	30804.92	25410.16	41935.26	29583.16	28892.26	22649.54	28041.38	20829.25	31252.97	26766.64	30890.25	30432.66
C2*	22174.72	18694.15	25444.57	22465.17	30918.13	26808.44	42619.93	29760.59	28892.26	22649.54	28041.38	21172.54	31252.97	26766.64	30890.25	30432.66
Yield/ha (Quintals)	8.35	6.73	9.90	10.46	17.07	18.36	18.93	20.43	14.07	15.88	11.82	15.87	11.08	16.26	11.21	13.38
Value of the main-product per hectare (Rs)	20220.15	14234.51	25066.89	23774.54	58233.95	42799.46	67825.27	45946.66	45384.83	35966.14	43822.46	35281.54	38298.28	37944.68	33331.79	33623.10
Value of the by-product per hectare (Rs)	0.00	0.00	1547.32	1654.57	834.35	788.23	5618.96	4998.10	2131.19	2266.49	2609.94	2167.21	1655.10	1904.53	786.00	1140.02
Implicit price (Rs./qtl.)	2421.57	2115.08	2532.01	2272.90	3411.48	2331.13	3582.95	2248.98	3225.65	2264.87	3707.48	2223.16	3456.52	2333.62	2973.40	2512.94
Cost of production per quintal (Rs)																
A1	1033.30	1281.67	1315.16	829.43	790.53	718.07	671.86	446.39	788.67	454.41	761.84	430.40	1098.41	503.54	1305.34	955.67
A2	1033.30	1284.44	1315.16	829.43	790.53	718.07	671.86	446.39	788.67	454.41	766.99	446.14	1107.33	510.64	1305.53	985.73
A2+FL	2019.15	2183.31	1658.25	1204.55	1035.19	890.97	899.59	623.34	1024.01	625.25	1345.17	698.59	1519.20	800.41	1863.16	1555.60
B1	1204.39	1407.67	1426.93	924.68	962.10	797.16	864.57	534.59	918.96	610.61	1007.64	600.88	1376.12	658.98	1388.45	996.68
B2	1655.01	1863.70	2091.71	1530.16	1532.32	1182.67	1797.98	1129.15	1720.73	1181.50	1571.23	981.05	2241.17	1274.78	2142.28	1621.46
C1	2205.34	2320.70	1752.20	1338.35	1208.95	973.93	1112.49	711.40	1158.81	769.38	1675.36	858.54	1829.15	954.08	1937.16	1573.60
C2	2655.96	2776.73	2416.98	1943.83	1779.16	1359.44	2045.90	1305.96	1960.58	1340.27	2238.94	1238.71	2594.20	1569.88	2690.99	2198.38
C2*	2655.96	2776.73	2416.98	2010.55	1785.74	1434.04	2078.83	1314.03	1960.58	1340.27	2238.94	1258.75	2694.20	1569.88	2690.99	2198.38
C3	2921.56	3054.40	2658.68	2211.61	1964.31	1577.44	2286.71	1445.43	2156.64	1474.30	2462.83	1384.63	2963.62	1726.87	2960.09	2418.22
Material and labour inputs per hectare																
ITEM																
Seed (kgs.)	10.03	10.37	5.56	5.75	5.62	5.71	3.88	3.51	6.58	6.86	5.74	5.61	6.28	5.68	8.34	7.57
Fertiliser (kgs. of Nutrients)	25.16	39.61	97.09	78.89	139.33	143.36	137.11	136.57	90.47	90.55	76.95	78.26	111.67	114.03	126.61	108.30
Manure (Quintals)	7.03	8.37	17.11	6.56	0.00	0.00	0.00	0.00	0.91	1.22	1.12	0.63	0.70	1.91	1.80	7.55
Human Labour (Man Hours)	521.03	556.24	491.67	564.16	534.22	522.05	225.82	212.95	275.63	268.91	316.31	299.71	387.78	424.84	625.08	768.52
Animal Labour (Pair Hours)	194.83	193.32	25.36	19.73	5.55	5.27	3.04	3.95	5.71	11.10	2.32	3.12	13.94	11.33	55.21	91.54

Note : The estimates are provisional unless specified.

Cost A1 = All actual expenses in cash and kind incurred in production by owner.

Cost A2 = Cost A1 + rent paid for leased-in land.

Cost A2+FL = Cost A2 + imputed value of Family Labour.

Cost B1 = Cost A1 + interest on value of owned capital assets (excluding land).

Cost B2 = Cost B1 + rental value of owned land (net of land revenue) and rent paid for leased-in land.

Cost C1 = Cost B1 + imputed value of Family Labour.

Cost C2 = Cost B2 + imputed value of Family Labour.

Cost C2* = Cost C2 estimated by taking into account statutory minimum or actual wage whichever is higher.

Cost C3 = Cost C2* + 10% of Cost C2* on account of managerial functions performed by farmer.

Source : Directorate of Economics & Statistics, Ministry of Agriculture.

Rapeseed & Mustard : Break-up of Cost of Cultivation per hectare (In Rs.)

Cost Items	Assam		Bihar		Gujarat		Haryana		Madhya Pradesh		Rajasthan		Uttar Pradesh		West Bengal	
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Operational Cost	16228.51	14300.52	17224.19	13223.58	17619.52	16509.24	18138.47	13913.95	14880.85	10207.21	16471.56	11243.33	16847.72	13025.11	21056.59	20943.42
Human Labour																
Casual	821.32	1271.98	5441.59	3024.37	2407.54	1746.37	2504.97	1860.17	1759.36	1531.68	1226.19	1043.89	1692.88	959.87	5377.79	3999.59
Attached	980.97	1142.97	219.69	224.03	28.40	69.85	42.75	9.35	0.00	0.00	139.88	108.89	59.66	58.10	13.41	23.81
Family	8241.91	6087.30	3609.42	3699.81	4262.16	3311.13	5032.62	4002.58	3539.30	2694.53	6933.33	4312.31	5328.92	4968.26	6329.90	8126.36
Total	10044.20	8502.25	9270.70	6948.21	6698.10	5127.35	7580.34	5872.10	5298.66	4226.21	8299.40	5465.09	7081.46	5986.23	11721.10	12149.76
Bullock Labour																
Hired	6.23	15.96	0.00	25.21	135.12	185.49	17.62	34.04	139.60	108.59	21.14	10.65	6.43	10.02	331.83	965.95
Owned	3939.83	3127.20	1121.91	606.97	260.66	100.94	141.44	153.77	61.95	166.07	98.12	67.05	934.44	531.07	1239.89	1101.93
Total	3946.06	3143.16	1121.91	632.18	395.78	286.43	159.06	187.81	201.55	274.66	119.26	77.70	940.87	541.09	1571.72	2067.88
Machine Labour																
Hired	341.05	457.96	1445.75	1577.06	3041.56	3102.26	2992.27	2966.65	4334.01	2275.44	3217.02	2776.11	3255.45	2003.93	1882.47	1467.82
Owned	41.50	23.68	101.18	38.61	107.96	151.67	1441.45	779.31	84.46	681.04	471.34	66.38	680.90	291.50	12.31	37.91
Total	382.55	481.64	1546.93	1615.67	3149.52	3253.93	4433.72	3745.96	4418.47	2956.48	3688.36	2842.49	3936.35	2295.43	1894.78	1505.73
Seed	342.15	371.63	647.26	473.90	417.77	687.16	573.63	394.63	282.33	237.69	613.03	443.96	483.41	405.06	397.26	360.99
Fertilisers and Manure																
Fertilisers	733.26	850.56	2311.82	1363.31	2786.53	2038.13	2848.34	1887.30	2228.57	1352.36	1720.41	1164.51	2593.88	1651.01	3194.51	2032.49
Manure	521.02	629.63	513.30	131.26	0.00	0.00	0.00	0.00	90.54	122.00	55.90	27.06	34.32	76.44	130.39	502.76
Total	1254.28	1480.19	2825.12	1494.57	2786.53	2038.13	2848.34	1887.30	2319.11	1474.36	1776.31	1191.57	2628.20	1727.45	3324.90	2535.25
Insecticides	9.67	28.90	286.42	88.47	73.42	31.51	92.53	185.22	451.87	186.29	33.27	22.66	6.19	0.97	182.11	306.57
Irrigation charges	7.58	43.86	1113.28	1681.98	3693.62	4684.79	2053.70	1340.59	1526.00	614.29	1652.89	989.83	1422.19	1824.73	1513.82	1628.14
Interest on working capital	242.02	248.89	412.57	288.60	404.78	399.94	397.15	300.34	343.68	227.66	289.04	210.03	349.05	244.15	446.26	388.40
Miscellaneous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.18	9.57	0.00	0.00	0.00	0.00	4.64	0.70
Fixed Cost	5946.21	4393.63	8220.38	8505.94	13185.40	8900.92	23796.79	15669.21	14011.41	12442.33	11569.82	9585.92	14405.24	13741.53	9833.66	9489.24
Rental value of owned land	3798.29	3108.47	6878.25	7503.37	9846.69	7266.07	19276.46	13472.58	11879.00	9558.16	7721.30	6137.30	10654.83	10437.40	8527.27	8388.41
Rent paid for leased-in land	0.00	23.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.52	243.75	95.25	136.76	2.10	339.49
Land revenue, cesses & taxes	36.73	31.82	26.01	34.75	7.19	8.47	0.00	0.00	8.55	8.84	10.46	9.34	6.95	17.80	32.32	30.12
Depreciation on implements & Farm buildings	594.70	337.76	179.83	218.12	297.21	141.77	301.49	206.15	195.05	338.57	312.30	271.24	610.28	488.15	287.50	206.67
Interest on fixed capital	1516.49	891.97	1136.29	749.70	3034.31	1484.61	4218.84	1990.48	1928.81	2536.76	3473.24	2924.29	3037.93	2661.42	984.47	524.55
Total Cost	22174.72	18694.15	25444.57	21729.52	30804.92	25410.16	41935.26	29583.16	28892.26	22649.54	28041.38	20829.25	31252.96	26766.64	30890.25	30432.66
Operational Cost (based on new methodology)	16228.51	14300.52	17224.19	13959.23	17732.73	17907.52	18823.14	14091.38	14880.85	10207.21	16471.56	11586.62	16847.72	13025.11	21056.59	20943.42
Human Labour (based on new methodology)	10044.20	8502.25	9270.70	7683.86	6811.31	6525.63	8265.01	6049.53	5298.66	4226.21	8299.40	5808.38	7081.46	5986.23	11721.10	12149.76
Total Cost (based on new methodology)	22174.72	18694.15	25444.57	22465.17	30918.13	26808.44	42619.93	29760.59	28892.26	22649.54	28041.38	21172.54	31252.97	26766.64	30890.25	30432.66

Safflower: Estimates of Cost of Cultivation/Production and related data

	Maharashtra	
	2011-12	2010-11
1	2	3
Cost of Cultivation per hectare(Rs)		
A1	10200.77	8482.47
A2	10200.77	8482.47
A2+FL	15176.87	11834.06
B1	11889.51	10082.01
B2	16132.02	13531.49
C1	16865.61	13433.60
C2	21108.12	16883.08
C2*	21108.12	16883.08
Yield per hectare (Quintals)	10.00	8.26
Value of the main-product per hectare (Rs)	25000.00	20692.76
Value of the by-product per hectare (Rs)	450.00	0.00
Implicit price (Rs./qtl.)	2500.00	2505.18
Cost of production per quintal (Rs)		
A1	1002.04	1023.64
A2	1002.04	1023.64
A2+FL	1490.85	1432.69
B1	1167.93	1217.74
B2	1584.68	1637.18
C1	1656.74	1623.74
C2	2073.49	2043.18
C2*	2073.49	2043.18
C3	2280.84	2247.50
Material and labour inputs per hectare		
ITEM		
Seed (kgs.)	17.50	16.57
Fertiliser (kgs. of Nutrients)	64.00	13.17
Manure (Quintals)	0.00	0.00
Human Labour (Man Hours)	470.00	501.43
Animal Labour (Pair Hours)	45.00	64.30

Note : The estimates are provisional unless specified.

Cost A1 = All actual expenses in cash and kind incurred in production by owner.

Cost A2 = Cost A1 + rent paid for leased-in land.

Cost A2+FL = Cost A2 + imputed value of Family Labour.

Cost B1 = Cost A1 + interest on value of owned capital assets (excluding land).

Cost B2 = Cost B1 + rental value of owned land (net of land revenue) and rent paid for leased-in land.

Cost C1 = Cost B1 + imputed value of Family Labour.

Cost C2 = Cost B2 + imputed value of Family Labour.

Cost C2* = Cost C2 estimated by taking into account statutory minimum or actual wage whichever is higher.

Cost C3 = Cost C2* + 10% of Cost C2* on account of managerial functions performed by farmer.

Source : Directorate of Economics & Statistics,
Ministry of Agriculture.

Safflower: Break-up of Cost of Cultivation per hectare (In Rs.)

Cost Items	Maharashtra	
	2011-12	2010-11
1	2	3
Operational Cost	14834.88	11436.54
Human Labour		
Casual	1050.00	3308.58
Attached	1833.30	766.16
Family	4976.10	3351.59
Total	7859.40	7426.33
Bullock Labour		
Hired	0.00	553.76
Owned	2483.55	1831.83
Total	2483.55	2385.59
Machine Labour		
Hired	800.00	0.00
Owned	125.00	27.32
Total	925.00	27.32
Seed	1125.00	732.88
Fertilisers and Manure		
Fertilisers	1600.00	246.95
Manure	0.00	0.00
Total	1600.00	246.95
Insecticides	110.00	67.96
Irrigation charges	433.18	304.51
Interest on working capital	298.75	245.00
Miscellaneous	0.00	0.00
Fixed Cost	6273.24	5446.54
Rental value of owned land	4242.52	3449.48
Rent paid for leased-in land	0.00	0.00
Land revenue, cesses & taxes	22.87	22.52
Depreciation on implements & Farm buildings	319.11	375.00
Interest on fixed capital	1688.74	1599.54
Total Cost	21108.12	16883.08
Operational Cost (based on new methodology)	14834.88	11436.54
Human Labour (based on new methodology)	7859.40	7426.33
Total Cost (based on new methodology)	21108.12	16883.08