

Table - 4.1

State-wise Gross and Net returns on actual estimates of cost of cultivation of Kharif crops  
(Average of 2009-10 to 2011-12)

**PADDY**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over A2+FL (Rs./ha)	Rate of Gross Returns over A2+FL	Net Returns over C2 (Rs./ha)	Net Rate of Returns over C2 (%)
Andhra Pradesh	36047	54578	61062	25014	69	6483	12
Assam	19241	25854	22493	3253	17	-3361	-13
Bihar	16792	22853	22587	5794	35	-266	-1
Chhatisgarh	16604	24829	28194	11590	70	3364	14
Gujarat	24896	34790	52983	28087	113	18192	52
Haryana	31013	52277	70237	39224	126	17960	34
Himachal Pradesh	12754	18911	28390	15635	123	9478	50
Jharkhand	15797	21045	15083	-714	-5	-5962	-28
Kerala	33547	45643	59817	26271	78	14175	31
Karnataka	33864	47388	58223	24359	72	10835	23
Madhya Pradesh	16105	25135	30996	14891	92	5862	23
Maharashtra	36053	45668	38733	2680	7	-6935	-15
Odisha	25849	31478	41651	15801	61	10172	32
Punjab	30358	51914	69566	39208	129	17651	34
Tamilnadu	39770	52453	56089	16319	41	3635	7
Uttar Pradesh	23588	34925	39835	16247	69	4911	14
Uttarakhand	23223	37018	40094	16871	73	3076	8
West Bengal	32978	43425	41138	8160	25	-2287	-5
<b>ALL-INDIA</b>	<b>26604</b>	<b>37733</b>	<b>42282</b>	<b>15679</b>	<b>59</b>	<b>4550</b>	<b>12</b>

**MAIZE**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Andhra Pradesh	28597	42944	48096	19499	68	5152	12
Bihar	17914	24207	44716	26802	150	20509	85
Chhatisgarh	7686	10346	9284	1598	21	-1062	-10
Gujarat	17514	21930	20250	2736	16	-1680	-8
Himachal Pradesh	12562	18113	17324	4763	38	-789	-4
Karnataka	19063	27666	34658	15595	82	6992	25
Madhya Pradesh	12717	17718	16720	4003	31	-998	-6
Rajasthan	20260	26018	24348	4088	20	-1670	-6
Tamilnadu	33039	45371	56980	23941	72	11609	26
Uttar Pradesh	16791	24808	20139	3348	20	-4670	-19
<b>ALL-INDIA wt.ave</b>	<b>19186</b>	<b>26857</b>	<b>30141</b>	<b>10955</b>	<b>57</b>	<b>3284</b>	<b>12</b>

(Contd.)

**Table - 4.1 (Contd.)**  
**State-wise Gross and Net returns on actual estimates of cost of cultivation of Kharif crops**  
**(Average of 2009-10 to 2011-12)**

**JOWAR**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Andhra Pradesh	18805	26967	27950	9146	49	983	4
Karnataka	10882	15873	17477	6595	61	1604	10
Maharashtra	19106	27170	29935	10829	57	2765	10
Rajasthan	8794	11247	10555	1761	20	-692	-6
Tamilnadu	12238	16059	15768	3531	29	-291	-2
Madhya Pradesh	11466	15865	14374	2909	25	-1490	-9
<b>ALL-INDIA wt.ave</b>	<b>16211</b>	<b>22996</b>	<b>24904</b>	<b>8693</b>	<b>54</b>	<b>1908</b>	<b>8</b>

**BAJRA**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Gujarat	17892	24297	31974	14082	79	7676	32
Haryana	14997	22839	19040	4042	27	-3799	-17
Tamilnadu	16631	22396	21934	5303	32	-462	-2
Karnataka	9142	11732	9063	-79	-1	-2669	-23
Maharashtra	19623	26450	25213	5590	28	-1237	-5
Rajasthan	9846	13374	14296	4450	45	921	7
Uttar Pradesh	13791	20421	18959	5168	37	-1461	-7
<b>ALL-INDIA wt.ave</b>	<b>12394</b>	<b>17131</b>	<b>17699</b>	<b>5305</b>	<b>43</b>	<b>568</b>	<b>3</b>

**RAGI**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Andhra Pradesh	29656	39788	32610	2954	10	-7177	-18
Karnataka	20882	28746	19729	-1153	-6	-9017	-31
Tamilnadu	22014	24686	27247	5233	24	2561	10
Maharashtra	23411	34217	23338	-73	0	-10879	-32
Uttarakhand	38804	45009	26611	-12193	-31	-18398	-41
<b>ALL-INDIA wt.ave</b>	<b>22274</b>	<b>30020</b>	<b>21566</b>	<b>-708</b>	<b>-3</b>	<b>-8454</b>	<b>-28</b>

(Contd.)

**Table - 4.1 (Contd.)**  
**State-wise Gross and Net returns on actual estimates of cost of cultivation of Kharif crops**  
**(Average of 2009-10 to 2011-12)**

**TUR**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Andhra Pradesh	17760	29731	34900	17140	97	5169	17
Bihar	7250	15424	32246	24996	345	16822	109
Gujarat	17610	24786	37156	19545	111	12370	50
Karnataka	14515	22706	31849	17334	119	9142	40
Madhya Pradesh	11291	19753	27029	15738	139	7276	37
Maharashtra	30408	43801	54042	23634	78	10240	23
Odisha	8971	14542	18831	9860	110	4288	29
Tamilnadu	15154	20127	25706	10552	70	5579	28
Uttar Pradesh	12842	26227	31894	19051	148	5667	22
<b>ALL-INDIA wt.ave</b>	<b>19585</b>	<b>30327</b>	<b>38845</b>	<b>19260</b>	<b>98</b>	<b>8518</b>	<b>28</b>

**MOONG**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Andhra Pradesh	8650	15361	21340	12690	147	5980	39
Karnataka	8508	11847	12669	4161	49	822	7
Maharashtra	17920	23248	22255	4335	24	-993	-4
Odisha	7916	12081	14167	6250	79	2086	17
Rajasthan	10317	13730	16240	5923	57	2510	18
Tamilnadu	12476	16465	18255	5779	46	1790	11
<b>ALL-INDIA wt.ave</b>	<b>11042</b>	<b>15326</b>	<b>17340</b>	<b>6298</b>	<b>57</b>	<b>2013</b>	<b>13</b>

**URAD**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Andhra Pradesh	15774	26507	35980	20205	128	9473	36
Chhatisgarh	9252	13883	17150	7898	85	3267	24
Madhya Pradesh	11567	17550	22244	10677	92	4694	27
Maharashtra	17603	22904	20723	3120	18	-2181	-9.5
Odisha	8003	12466	15410	7407	93	2944	24
Rajasthan	11303	15477	18246	6942	61	2769	18
Tamilnadu	12196	17445	22056	9860	81	4611	26
Uttar Pradesh	9643	14388	14836	5193	54	448	3
<b>ALL-INDIA wt.ave</b>	<b>12620</b>	<b>18749</b>	<b>22089</b>	<b>9468</b>	<b>75</b>	<b>3340</b>	<b>18</b>

(Contd.)

**Table - 4.1 (Contd.)**  
**State-wise Gross and Net returns on actual estimates of cost of cultivation of Kharif crops**  
**(Average of 2009-10 to 2011-12)**

**GROUNDNUT**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Andhra Pradesh	33423	51318	53930	20507	61	2612	5
Gujarat	27157	35932	44829	17672	65	8897	25
Karnataka	19376	25999	25156	5780	30	-843	-3
Maharashtra	32397	43266	48858	16461	51	5592	13
Odisha	22916	34097	41243	18327	80	7146	21
Tamilnadu	31079	39759	39499	8420	27	-261	-0.7
<b>ALL-INDIA wt.ave</b>	<b>28412</b>	<b>39754</b>	<b>44073</b>	<b>15660</b>	<b>55</b>	<b>4319</b>	<b>11</b>

**SOYABEAN**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Chhatisgarh	10691	16713	17570	6879	64	857	5
Madhya Pradesh	14073	22238	29092	15019	107	6854	31
Maharashtra	20830	27493	28474	7644	37	981	4
Rajasthan	12651	18616	23091	10440	83	4474	24
<b>ALL-INDIA wt.ave</b>	<b>16060</b>	<b>23545</b>	<b>28307</b>	<b>12247</b>	<b>76</b>	<b>4763</b>	<b>20</b>

**SUNFLOWER**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Andhra Pradesh	19197	25521	26115	6918	36	594	2
Karnataka	10129	13440	12811	2682	26	-629	-5
Maharashtra	16514	22446	26788	10274	62	4342	19
<b>ALL-INDIA wt.ave</b>	<b>13557</b>	<b>18103</b>	<b>18651</b>	<b>5094</b>	<b>38</b>	<b>548</b>	<b>3</b>

(Contd.)

Table - 4.1 (Concluded)

State-wise Gross and Net returns on actual estimates of cost of cultivation of Kharif crops  
(Average of 2009-10 to 2011-12)

**SESAMUM**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Andhra Pradesh	11395	16804	17177	5782	51	373	2
Gujarat	14293	20197	24991	10698	75	4795	24
Madhya Pradesh	13354	20203	25021	11667	87	4818	24
Odisha	8523	12516	12682	4159	49	167	1
Rajasthan	7675	11505	15922	8248	107	4418	38
Tamilnadu	15506	23205	25932	10426	67	2727	12
West Bengal	16833	23310	24342	7509	45	1032	4
<b>ALL-INDIA wt.ave</b>	<b>11124</b>	<b>16245</b>	<b>20020</b>	<b>8896</b>	<b>80</b>	<b>3775</b>	<b>23</b>

**NIGERSEED**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Odisha	7843	11152	10610	2767	35	-541	-5
<b>ALL-INDIA wt.ave</b>	<b>7843</b>	<b>11152</b>	<b>10610</b>	<b>2767</b>	<b>35</b>	<b>-541</b>	<b>-5</b>

**COTTON**

State	Cost A2+FL (Rs./ha.)	Cost C2 (Rs./ha.)	GVO (Rs./ha.)	Gross Returns over	Rate of Gross Returns	Net Returns over C2	Net Rate of Returns
Andhra Pradesh	31613	51318	60008	28396	90	8690	17
Gujarat	35193	51353	81223	46030	131	29870	58
Haryana	33348	52688	70182	36834	110	17493	33
Karnataka	22630	34445	49145	26515	117	14700	43
Madhya Pradesh	18994	34483	55737	36743	193	21254	62
Maharashtra	36837	50104	55322	18485	50	5217	10
Odisha	25447	37301	46561	21114	83	9260	25
Punjab	34205	59684	74916	40711	119	15232	26
Rajasthan	28019	44906	84802	56783	203	39896	89
Tamilnadu	42374	55342	61515	19141	45	6173	11
<b>ALL-INDIA wt.ave</b>	<b>33339</b>	<b>49439</b>	<b>65129</b>	<b>31790</b>	<b>95</b>	<b>15689</b>	<b>32</b>



Table - 4.3

## Farm Inputs: Index Numbers of Wholesale Prices ( Base 2004-05=100)

Month/Year	Fertilisers	Electricity (Irrigation)	Pesticides	Non- electrical Machinery	Tractors	Lubricants	High Speed Diesel (HSD)	Light Diesel Oil (LDO)	Fodder	Cattle Feed
1	2	3	4	5	6	7	8	9	10	11
<b>2009</b>										
January	107.9	117.5	112.7	110.8	122.0	174.5	132.4	100.0	108.7	148.2
February	107.2	117.5	112.7	110.7	122.0	174.5	125.4	116.8	109.8	149.7
March	107.7	108.7	112.6	110.3	122.1	174.5	125.7	119.6	112.2	150.0
April	107.6	108.7	111.6	112.7	122.6	174.5	125.7	131.3	114.3	152.4
May	107.5	108.7	110.4	112.6	122.7	174.5	125.7	140.6	114.0	157.2
June	107.6	108.7	110.1	112.8	122.7	174.5	125.7	145.6	116.0	158.2
July	107.5	108.7	110.2	112.8	122.7	174.5	133.9	165.8	119.5	159.9
August	107.2	117.4	110.6	112.8	122.7	174.5	133.9	159.8	123.3	165.3
September	107.1	117.4	110.4	112.8	122.6	174.5	133.9	162.0	139.8	166.3
October	108.1	117.4	110.5	114.7	123.2	174.5	133.9	157.4	136.4	166.5
November	108.5	117.4	110.7	118.0	123.2	174.5	133.9	160.2	144.6	166.9
December,2009	109.0	117.4	110.6	117.8	123.2	174.5	133.9	165.2	143.0	168.8
<b>2010</b>										
January	108.9	117.4	110.2	117.7	123.5	174.5	133.9	184.3	182.3	173.1
February	109.0	117.4	110.2	118.0	123.5	174.5	136.6	185.3	176.5	175.6
March	109.8	117.4	111.8	118.6	123.7	174.5	144.6	180.1	199.1	175.8
April	114.6	117.4	114.6	118.8	123.5	174.5	145.6	187.1	182.2	177.0
May	115.2	126.2	113.6	117.6	123.9	194.2	145.6	187.3	165.2	177.0
June	115.3	126.2	113.6	117.8	124.0	194.2	147.4	174.9	171.3	177.0
July	115.3	126.2	113.4	117.9	124.0	194.2	153.5	174.7	173.4	177.6
August	116.5	126.2	113.3	117.9	124.0	194.2	153.5	170.6	180.7	177.8
September	116.5	126.2	113.4	118.0	124.2	194.2	153.5	174.3	186.5	178.0
October	116.3	126.2	113.7	118.0	125.0	194.2	153.5	182.3	192.7	178.2
November	116.6	126.2	114.0	118.2	125.6	194.2	153.6	190.9	190.7	178.6
December,2010	116.3	126.2	113.9	118.1	125.6	194.2	153.6	203.0	190.1	178.5
<b>2011</b>										
January	117.8	128.1	112.9	121.0	128.0	194.2	153.6	217.1	193.9	181.3
February	120.3	128.1	113.1	122.9	128.3	194.2	153.6	218.6	198.5	181.4
March	120.7	128.1	113.9	123.2	128.9	194.2	153.6	228.3	205.8	180.5
April	122.9	128.1	114.1	123.6	131.4	214.0	153.6	246.3	200.6	183.8
May	125.2	128.1	113.9	123.1	134.8	220.8	153.6	256.8	176.8	181.2
June	125.7	128.1	113.8	123.5	134.8	220.8	157.1	240.2	179.5	180.0
July	127.0	128.1	114.5	123.5	136.0	221.8	167.8	232.6	182.7	184.9
August	127.9	128.1	114.6	123.5	136.4	231.2	167.8	240.4	188.2	186.3
September	130.4	133.8	114.8	123.8	137.2	236.6	167.8	241.4	189.8	186.4
October	134.9	135.7	114.6	124.2	137.5	236.6	167.8	245.8	191.2	186.4
November	137.6	135.7	114.6	125.9	137.8	236.6	167.8	243.1	196.9	186.2
December,2011	138.7	135.7	115.3	125.8	137.8	236.6	167.8	253.0	198.9	186.2
<b>2012</b>										
January	139.5	135.7	115.9	123.6	137.9	236.6	167.8	267.9	198.5	187.3
February	140.1	135.7	115.9	124.0	138.0	236.6	167.8	267.5	197.4	191.8
March	141.1	135.7	116.2	122.8	138.4	236.6	167.8	289.3	202.2	197.3
April	142.3	135.7	118.9	122.1	138.3	236.6	167.8	296.1	205.7	195.4
May	142.4	135.7	118.7	122.6	138.3	236.6	167.8	284.4	203.4	195.6
June	144.3	166.3	117.9	122.6	140.7	241.4	167.8	249.4	196.0	199.7
July	148.3	166.3	120.4	122.7	140.7	241.4	167.8	236.5	208.4	199.7
August	149.1	166.3	121.0	122.9	140.9	241.4	168.6	257.9	217.8	199.7
September	150.5	166.3	122.1	122.9	141.2	241.4	182.8	287.7	228.1	201.8
October	150.7	166.3	122.1	123.0	141.5	241.4	192.3	282.6	236.1	209.3
November	151.0	166.3	122.1	123.1	142.4	241.4	192.3	276.6	239.6	214.3
December,2012	152.1	166.3	122.3	123.0	143.7	253.3	192.3	278.4	237.5	225.2
<b>2013</b>										
January	152.6	166.3	123	123	143.7	253.3	198.8	283.3	241.9	225.2
February	152.5	166.3	122.9	123.5	143.7	253.3	202.7	286.3	246.2	231.1
March	152.3	166.3	122.5	123.1	143.7	253.3	201.7	289.6	250.4	232.2
April	152.4	184.8	122.0	123.0	143.7	253.3	202.3	271.5	246	233.8
May	151.5	184.8	123.0	122.9	143.7	253.3	203.4	253.7	244.2	233.3
June	150.5	184.8	123.5	122.9	143.7	253.3	207	268.7	257.1	234.1
July	151.5	184.8	123.6	123.1	143.7	253.3	212	286.3	265.3	238.2
August	152.0	203.0	124.5	123.8	143.8	253.3	215.4	299.2	267.6	237.7
September	152.4	206.9	125.7	123.9	144.3	263.9	219.8	330.9	270.1	238.8
October	152.2	209.1	127.3	123.9	144.1	263.9	220.5	312.3	269.8	239.3
November	152.7	209.1	128.1	124.1	144.5	263.9	222.4	314.7	272	239
<b>% change of Nov.,13 over Nov.,12</b>										
	<b>1.1</b>	<b>25.7</b>	<b>4.9</b>	<b>0.8</b>	<b>1.5</b>	<b>9.3</b>	<b>15.7</b>	<b>13.8</b>	<b>13.5</b>	<b>11.5</b>

Source : Office of the Economic Adviser, Ministry of Commerce and Industry

Table 4.4

Statewise Projected Cost of Production (C2 & A2+FL) for Kharif 2014-15 and their shares in Production in increasing order of Cost

Paddy				Maize			
States	A2+FL	C2	Relative Shares in Production(%)	States	A2+FL	C2	Relative Shares in Production(%)
Punjab	624.26	971.98	10	Bihar	715.83	852.44	12
Gujarat	737.79	981.16	2	Andhra Pradesh	760.58	1049.03	23
Himachal Pradesh	749.86	981.69	1	Tamil Nadu	827.07	1056.41	8
Madhya Pradesh	689.34	1028.91	3	Madhya Pradesh	850.73	1117.71	9
Chhattisgarh	776.99	1062.86	7	Gujarat	902.95	1129.73	5
Uttarakhand	779.97	1105.32	1	Karnataka	918.27	1153.05	21
Karnataka	876.38	1132.61	3	Chhattisgarh	1004.04	1255.10	1
Assam	993.88	1219.98	5	Rajasthan	1239.77	1470.97	10
Bihar	989.61	1226.15	7	Uttar Pradesh	1241.31	1623.23	7
Andhra Pradesh	923.18	1242.73	11	Himachal Pradesh	1328.64	1637.14	4
Uttar Pradesh	986.28	1265.62	13	All India	913.51	1164.70	
Tamil Nadu	1040.65	1279.43	5	<b>Ragi</b>			
Kerala	1025.37	1293.71	1	States	A2+FL	C2	Relative Shares in Production(%)
Orissa	1032.97	1304.56	7	Tamil Nadu	1401.35	1680.37	13
Haryana	868.41	1372.56	4	Karnataka	1456.46	1790.03	75
West Bengal	1163.95	1402.09	14	Andhra Pradesh	2021.32	2487.04	3
Jharkhand	1475.32	1797.28	3	Maharashtra	2155.85	2504.71	9
Maharashtra	1876.69	2164.60	3	All India	1474.42	1793.87	
All India	978.18	1266.28					
<b>Jowar</b>				<b>Bajra</b>			
States	A2+FL	C2	Relative Shares in Production(%)	States	A2+FL	C2	Relative Shares in Production(%)
Madhya Pradesh	864.74	1134.83	11	Uttar Pradesh	640.51	925.36	20
Maharashtra	1259.37	1650.38	46	Haryana	699.76	1043.29	11
Andhra Pradesh	1176.23	1745.99	9	Rajasthan	861.06	1066.74	48
Karnataka	1594.13	2099.53	29	Gujarat	876.81	1087.97	10
Tamil Nadu	2641.60	2846.69	5	Maharashtra	1050.01	1326.12	8
All India	1370.09	1788.20		Karnataka	1285.94	1535.51	3
				All India	831.64	1075.16	

Tur				Urd			
States	A2+FL	C2	Relative Shares in Production(%)	States	A2+FL	C2	Relative Shares in Production(%)
Madhya Pradesh	2250.59	3329.35	15	Madhya Pradesh	1855.35	2684.92	20
Gujarat	2686.92	3450.48	10	Chhatisgarh	2053.29	2871.61	2
Karnataka	2856.45	3852.01	15	Andhra Pradesh	1816.76	3098.27	21
Andhra Pradesh	3023.16	4406.61	8	Orissa	2770.37	3890.47	2
Uttar Pradesh	2830.03	4585.29	13	Rajasthan	3370.46	4352.50	8
Orissa	3367.36	4658.75	5	Tamil Nadu	4045.67	5060.17	9
Maharashtra	3778.69	4720.34	34	Uttar Pradesh	3994.14	5226.25	24
All India	3104.62	4214.45		Maharashtra	5624.28	6700.71	14
				All India	3225.04	4316.98	
<b>Moong</b>							
States	A2+FL	C2	Relative Shares in Production(%)				
Andhra Pradesh	2769.21	4173.76	17				
Karnataka	3396.08	4499.33	7				
Orissa	3541.50	4824.68	8				
Maharashtra	4267.58	5170.45	25				
Rajasthan	4260.92	5273.96	43				
All India	3889.84	4970.77					

(Contd...)



Table 4.4 (Concluded)

Groundnut				Seasmum			
States	A2+FL	C2	Relative Shares in Production(%)	States	A2+FL	C2	Relative Shares in Production(%)
Orissa	2559.88	3102.08	1	Rajasthan	2947.71	4346.01	34
Gujarat	2886.42	3341.73	31	West Bengal	3742.14	4489.51	43
Maharashtra	2814.10	3473.11	4	Orissa	3511.72	4802.26	1
Andhra Pradesh	2738.50	3757.40	13	Tamil Nadu	4670.61	5583.96	5
Tamil Nadu	3563.82	4192.87	45	Gujarat	5225.83	6335.03	17
Karnataka	3958.89	4923.84	6	All India	3765.26	4812.25	
All India	3231.87	3880.25					

Soyabean				Sunflower			
States	A2+FL	C2	Relative Shares in Production(%)	States	A2+FL	C2	Relative Shares in Production(%)
Madhya Pradesh	1234.35	1786.72	52	Maharashtra	2403.55	3009.01	8
Rajasthan	1977.34	2530.52	11	Andhra Pradesh	2871.57	3732.15	27
Maharashtra	2368.64	2769.39	37	Karnataka	3329.76	4027.05	65
All India	1728.95	2225.84		All India	3129.07	3862.61	

Cotton			
States	A2+FL	C2	Relative Shares in Production(%)
Madhya Pradesh	1420.05	2324.47	6
Rajasthan	1641.72	2421.91	4
Karnataka	2374.50	3314.11	4
Haryana	2282.06	3315.25	8
Gujarat	2616.11	3452.65	30
Punjab	2188.25	3468.93	6
Andhra Pradesh	2312.78	3537.44	18
Orissa	2920.55	3785.31	1
Maharashtra	3057.18	3962.03	22
Tamil Nadu	3355.79	4103.17	1
All India	2509.84	3479.84	

**Table - 4.5**

**Index of Terms of Trade Between Agriculture and Non-Agriculture Sectors**

Triennium Ending 1990-91=100

Year	Index of Prices Received	Index of Prices Paid (IPP) for				Index of Terms of Trade (ITT)
		Final Consumption	Intermediate Consumption	Capital Formation	Combined Index	
<b>Weights</b>		<b>73.54</b>	<b>21.63</b>	<b>4.83</b>	<b>100</b>	
1981-82	54.9	54.4	88.5	56.9	61.9	88.7
1982-83	60.3	58.8	91.1	62.6	66.0	91.4
1983-84	64.2	64.2	91.0	67.4	70.1	91.6
1984-85	68.0	66.6	92.3	72.5	72.4	93.9
1985-86	70.4	69.5	94.3	76.4	75.2	93.6
1986-87	76.7	74.8	98.7	78.8	80.2	95.6
1987-88	86.0	84.6	102.3	82.5	88.3	97.4
1988-89	90.3	90.4	96.9	90.9	91.8	98.4
1989-90	97.5	97.6	99.2	100.6	98.1	99.4
1990-91	112.3	112.1	104.0	108.5	110.2	101.9
1991-92	130.8	124.9	119.4	127.2	123.8	105.7
1992-93	138.7	131.5	139.5	137.5	133.5	103.9
1993-94	151.4	143.9	152.9	147.3	146.1	103.6
1994-95	171.1	159.0	166.1	158.4	160.5	106.6
1995-96	182.9	173.4	174.2	176.1	173.7	105.3
1996-97	190.6	185.6	181.5	188.8	184.9	103.1
1997-98	205.9	195.7	192.0	196.7	194.9	105.6
1998-99	220.8	213.8	197.1	206.8	209.8	105.2
1999-2000	219.8	217.1	203.9	212.6	214.0	102.7
2000-01	225.0	220.5	230.4	227.0	223.0	100.9
2001-02	235.3	226.4	235.2	240.4	229.0	102.8
2002-03	247.9	234.9	252.7	245.2	239.2	103.6
2003-04	251.2	245.2	259.1	255.7	248.7	101.0
2004-05	258.2	252.3	264.5	305.6	257.5	100.3
2005-06	275.8	266.0	277.1	310.5	270.6	101.9
2006-07	291.2	283.4	284.6	327.8	285.8	101.9
2007-08*	324.3	323.2	301.5	356.1	320.1	101.3
2008-09*	350.9	350.8	332.8	380.1	348.3	100.7
2009-10*	411.6	415.1	355.0	394.0	401.1	102.6

Source: Directorate of Economics and Statistics, Ministry of Agriculture, New Delhi

\* Provisional

Table - 4.8 (1)

## Paddy : Estimates of Cost of Cultivation/Production and related data

	Andhra Pradesh		Assam		Bihar		Chhattisgarh		Gujarat		Haryana		Himachal Pradesh		Jharkhand		Karnataka	
	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	31581.24	28410.43	12261.86	10963.40	13757.85	11901.53	15014.81	11759.17	24134.14	21335.53	29245.56	22753.26	5437.61	5624.39	13114.15	12273.10	33777.85	27490.53
A2	31834.65	29582.92	12543.51	11621.46	13757.85	11901.53	15014.81	11759.17	24431.42	21419.54	29355.87	22884.32	5564.98	5642.82	13114.15	12273.10	33777.85	27490.53
A2+FL	37946.69	35090.78	22381.58	18967.47	20394.41	15810.83	19621.13	15895.14	28175.81	23878.23	36476.96	28393.05	13931.92	12447.16	18824.68	15617.80	39193.47	33741.67
B1	32984.34	29695.55	14675.35	12483.19	14952.26	12616.89	16846.42	12544.10	25985.27	22390.08	31897.63	25116.97	7154.93	6807.08	14075.27	13446.17	35561.94	28549.33
B2	51915.15	45997.47	19138.24	18538.37	21197.07	17050.89	25263.00	19358.02	34833.75	21495.82	49124.72	44359.47	12619.39	11753.52	19222.48	17504.51	49394.39	39406.98
C1	39096.38	35203.41	24513.42	19829.21	21588.82	16526.19	21452.75	16680.07	29729.66	24848.77	39018.72	30625.70	15521.87	13611.42	19785.79	16790.87	40977.56	34800.46
C2	58027.19	51505.34	28976.32	25884.38	27833.63	20960.19	29869.33	23493.99	38578.14	33954.51	56245.80	49868.20	20986.33	18557.86	24933.00	20849.20	54810.01	45658.12
C2*	58105.25	51663.15	28976.32	26027.38	27833.63	22311.59	30301.81	23551.82	38669.08	34405.33	56245.80	49868.20	23478.99	19208.09	25104.59	21924.34	55191.17	45733.34
Yield per hectare (Quintals)	55.56	52.60	26.51	29.58	27.58	19.29	29.91	26.19	26.98	42.69	44.14	37.54	21.38	20.34	14.67	13.57	50.50	47.76
Value of the main-product per hectare (Rs)	59066.15	51410.01	17637.69	24954.46	22881.22	18679.99	31369.82	25251.90	41787.12	46887.55	63801.50	72711.13	22472.15	21349.04	15009.46	11972.26	58340.76	49495.05
Value of the by-product per hectare (Rs)	3953.04	3489.22	1623.99	1511.13	3972.95	3270.54	2296.49	2003.79	10478.84	8036.31	1223.67	1290.72	10839.91	7453.20	4206.61	2126.60	6116.93	3120.63
Implicit price (Rs./qtl)	1063.11	977.38	665.32	843.63	829.63	968.38	1048.81	964.18	1548.82	1098.33	1445.43	1936.90	1051.08	1049.61	1023.14	882.26	1155.26	1036.33
Cost of production per quintal (Rs)																		
A1	531.16	503.63	420.94	346.64	419.10	530.78	467.76	415.80	761.44	427.06	650.13	594.43	170.73	205.85	694.96	767.18	601.35	532.29
A2	535.42	525.55	430.31	367.85	419.10	530.78	467.76	415.80	768.49	428.89	652.53	597.96	174.70	206.60	694.96	767.18	601.35	532.29
A2+FL	640.14	624.72	773.09	604.61	630.06	697.52	611.26	562.30	834.95	477.50	810.84	743.15	439.59	453.60	1002.30	977.31	702.46	664.58
B1	554.98	526.94	505.34	395.31	456.79	555.78	523.70	443.55	806.08	448.49	709.13	656.65	224.53	248.48	746.20	843.10	634.71	554.67
B2	875.14	819.90	659.61	586.72	654.62	749.53	785.59	684.51	993.77	630.26	1092.32	1161.21	397.94	431.17	1019.88	1098.62	872.69	764.01
C1	656.20	624.02	845.49	632.92	663.21	729.65	668.53	590.21	951.86	496.85	867.42	800.41	488.91	495.00	1052.90	1049.33	728.16	684.90
C2	976.36	916.98	999.76	824.34	861.05	923.40	930.42	831.17	1139.55	678.62	1250.61	1304.97	662.32	677.68	1326.58	1304.85	966.14	894.25
C2*	977.60	919.87	999.76	828.81	861.05	982.98	943.94	833.11	1142.20	687.67	1250.61	1304.97	740.97	701.48	1335.82	1372.44	972.82	895.71
C3	1075.35	1011.86	1099.74	911.69	947.16	1081.28	1034.34	916.42	1256.42	756.43	1375.67	1435.47	815.06	771.63	1469.40	1509.68	1070.10	985.28
Material and labour inputs per hectare																		
ITEM	UNIT																	
Seeds (kgs.)		75.23	78.54	60.98	62.20	47.42	52.14	83.87	93.27	7.93	0.00	0.00	0.00	91.61	100.78	62.15	52.92	79.61
Fertilisers (kgs. of Nutrients)		212.00	226.15	16.60	15.67	97.39	76.68	118.04	87.56	207.31	209.06	212.19	206.87	26.97	29.36	33.15	40.04	290.49
Manure (Quintals)		22.76	8.05	5.53	4.59	0.00	0.00	10.59	5.53	37.59	19.12	1.17	0.04	3.99	2.40	0.89	4.13	14.41
Human Labour (Man Hours)		673.87	735.64	670.34	693.05	797.03	756.92	481.82	508.66	872.21	933.01	649.66	605.86	411.69	421.11	778.92	733.38	860.92
Animal Labour (Pair Hours)		11.61	14.25	185.10	200.50	30.57	31.23	62.63	58.05	22.33	16.41	2.36	1.09	54.23	30.83	124.74	65.22	50.19

(Contd...)

Table - 4.8 (1) Concluded

## Paddy : Estimates of Cost of Cultivation/Production and related data

	Kerala		Madhya Pradesh		Maharashtra		Odisha		Punjab		Tamil Nadu		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	2011-12	2010-11	2011-12	2010-11
1	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
Cost of Cultivation per hectare(Rs)																		
A1	35729.62	30161.06	13996.07	12062.82	26598.92	33169.04	17902.11	15800.21	22325.12	20930.70	37637.46	31268.64	19867.22	15490.64	19535.71	16245.82	26968.84	21608.32
A2	35729.62	30536.71	13996.07	12062.82	26598.92	33169.04	18088.72	15896.55	26659.23	27517.68	37912.59	31774.94	20307.80	15554.48	19535.71	16245.82	27589.08	22884.06
A2+FL	38557.18	33326.83	18287.82	15546.78	35253.19	39058.13	27243.15	21894.98	31248.72	30793.25	46453.56	38033.45	28147.45	21281.30	28383.31	20420.04	37959.78	32872.72
B1	36123.20	30412.98	15807.20	12965.93	29790.13	36614.47	19619.14	16992.86	25146.21	23853.02	41023.85	34247.17	22520.90	17222.46	21024.99	17545.55	28606.56	22490.38
B2	50145.54	41857.73	24843.43	20514.29	36682.48	43010.30	26818.06	24319.97	49224.44	48003.76	51226.08	44373.89	32307.03	26572.54	30708.60	28780.04	38772.29	33031.19
C1	38950.76	33203.10	20098.95	16449.89	38444.39	42503.56	28773.57	22991.29	29735.70	27128.59	49564.82	40505.68	30360.55	22949.67	29872.59	21719.77	38977.25	32479.04
C2	52973.11	44647.85	29135.18	23998.24	45336.75	48899.38	35972.50	30318.40	53813.93	51279.34	59767.05	50632.40	40146.68	32299.35	39556.20	32954.25	49142.99	43019.85
C2*	52973.11	44647.85	29135.18	24074.31	45336.75	48899.38	36098.16	30727.59	53927.92	51279.34	59767.05	50632.40	40299.68	32299.35	40463.82	33231.68	49142.99	43019.85
Yield per hectare (Quintals)	43.36	40.15	27.46	23.31	32.61	27.76	26.08	28.30	58.57	60.49	50.16	50.32	39.47	37.51	35.59	38.13	39.05	36.85
Value of the main-product per hectare (Rs)	64413.08	53338.98	32656.48	27707.08	34720.66	33568.59	25323.46	26023.86	68951.31	66313.44	54527.74	50640.79	39065.35	36459.18	35640.89	41305.22	34971.60	36602.98
Value of the by-product per hectare (Rs)	5698.66	3844.70	3488.44	2486.34	6625.20	4798.69	3261.52	3148.09	1059.80	879.20	3725.26	3143.20	2432.75	2442.43	2982.34	2325.45	5542.50	5153.54
Implicit price (Rs./qtl)	1485.54	1328.49	1189.24	1188.63	1064.72	1209.24	970.99	919.57	1177.25	1096.27	1087.08	1006.38	989.75	971.99	1001.43	1083.27	895.56	993.30
Cost of production per quintal (Rs)																		
A1	756.91	700.30	496.86	479.96	668.49	1021.41	606.89	498.50	375.92	341.32	695.47	581.64	479.55	390.06	546.16	434.07	595.07	516.52
A2	756.91	709.01	496.86	479.96	668.49	1021.41	613.01	501.55	449.68	449.61	699.47	590.23	494.96	392.53	546.16	434.07	607.41	547.28
A2+FL	816.96	774.25	601.70	612.04	907.82798	1231.02	925.41	690.18	525.45	502.40	866.88	711.66	671.33	531.73	735.93	506.99	839.10	781.97
B1	765.17	706.16	558.32	515.64	751.45	1139.15	666.38	534.31	423.22	388.88	763.02	639.65	537.41	436.20	596.52	476.47	635.83	538.20
B2	1061.10	971.56	836.95	812.48	921.12	1333.69	912.05	767.59	826.78	783.79	952.69	829.25	779.15	663.30	856.56	738.83	856.62	786.06
C1	824.89	771.21	681.72	648.41	997.67	1326.21	975.77	722.32	500.73	441.55	922.23	757.15	716.09	579.76	797.22	553.67	864.97	774.97
C2	1120.82	1036.61	960.34	945.25	1167.35	1520.74	1221.44	955.59	904.30	836.46	1111.90	946.75	957.83	806.87	1056.26	816.04	1085.76	1022.83
C2*	1120.82	1036.61	960.34	948.40	1167.35	1520.74	1225.70	968.47	906.15	836.46	1111.90	946.75	961.39	806.87	1080.52	822.91	1085.76	1022.83
C3	1232.90	1140.27	1056.37	1043.24	1284.09	1672.81	1348.28	1065.32	996.77	920.11	1223.09	1041.43	1057.53	887.56	1188.57	905.20	1194.34	1125.11
Material and labour inputs per hectare																		
ITEM	UNIT																	
Seeds (kgs.)	0.00	0.00	58.74	65.06	74.92	66.10	96.85	89.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.29	63.32
Fertilisers (kgs. of Nutrients)	158.46	160.94	124.78	79.75	113.32	130.14	82.79	90.82	211.43	204.99	240.11	240.10	182.91	175.02	148.86	136.44	148.01	140.48
Manure (Quintals)	12.90	7.27	11.19	10.46	9.27	32.61	22.42	23.76	16.31	29.25	37.93	25.26	3.50	6.35	11.48	28.11	14.77	17.92
Human Labour (Man Hours)	501.21	518.49	542.86	538.98	1211.44	1313.98	1007.23	1041.75	385.97	390.95	694.54	771.44	796.49	795.06	609.28	485.76	1185.49	1222.56
Animal Labour (Pair Hours)	2.19	0.59	52.27	65.10	99.40	86.21	181.93	188.95	0.68	2.00	5.17	11.08	18.48	11.48	52.68	46.62	56.93	75.17

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.

Table - 4.8 (2)

## Paddy : Break-up of Cost of Cultivation per Hectare (In Rs.)

Cost Items	Andhra Pradesh		Assam		Bihar		Chhattisgarh		Gujarat		Haryana		Himachal Pradesh		Jharkhand		Karnataka	
	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
<b>Operational Cost</b>	<b>37493.33</b>	<b>33686.84</b>	<b>21155.16</b>	<b>17707.20</b>	<b>19932.30</b>	<b>15569.43</b>	<b>18765.96</b>	<b>15331.80</b>	<b>27702.88</b>	<b>23667.22</b>	<b>36183.74</b>	<b>28187.01</b>	<b>13342.21</b>	<b>12094.27</b>	<b>18237.01</b>	<b>15025.28</b>	<b>38903.95</b>	<b>33364.11</b>
Human Labour																		
Casual	14310.58	13175.33	2545.41	2840.53	6349.09	5027.09	2645.44	2799.31	9876.79	8434.20	9030.88	8496.30	304.25	424.40	5194.12	5752.14	12010.57	10813.76
Attached	470.15	498.98	358.25	488.97	33.95	21.46	0.79	16.22	7.74	318.92	1380.09	1335.02	9.42	0.00	0.00	0.00	5.08	63.97
Family	6112.04	5507.86	9838.07	7346.01	6636.56	3909.30	4606.32	4135.97	3744.39	2458.69	7121.09	5508.73	8366.94	6804.34	5710.53	3344.70	5415.62	6251.14
Total	20892.77	19182.17	12741.73	10675.51	13019.60	8957.85	7252.55	6951.50	13628.92	11211.81	17532.06	15340.05	8680.61	7228.74	10904.65	9096.84	17431.27	17128.87
Bullock Labour																		
Hired	177.21	200.42	36.23	28.25	223.67	207.08	355.18	554.03	75.83	51.21	0.00	0.00	67.75	184.74	1559.02	84.70	607.15	553.91
Owned	368.12	434.78	4709.24	4016.36	652.21	612.38	1920.48	843.00	906.20	487.03	265.13	106.40	635.55	199.41	2967.75	2669.52	1342.09	2132.06
Total	545.33	635.20	4745.47	4044.61	875.88	819.46	2275.66	1397.03	982.03	538.24	265.13	106.40	703.30	384.15	4526.77	2754.22	1949.24	2685.97
Machine Labour																		
Hired	6041.08	5678.33	1281.36	953.32	2408.04	1799.44	3268.71	3068.88	2191.82	3248.12	3096.10	2357.55	1801.63	2323.99	287.29	1031.99	6338.19	5006.38
Owned	131.39	39.84	203.72	159.45	27.20	12.01	24.08	3.25	376.36	194.68	1087.95	790.19	13.31	15.28	2.62	0.00	886.94	358.47
Total	6172.47	5718.17	1485.08	1112.77	2435.24	1811.45	3292.79	3072.13	2568.18	3442.80	4184.05	3147.74	1814.94	2339.27	289.91	1031.99	7225.13	5364.85
Seed	1421.19	1608.79	803.58	807.28	1174.62	1368.92	1421.03	1354.72	2707.15	2524.47	820.21	930.14	1315.49	1194.09	1486.11	999.40	2087.64	1785.14
Fertilisers and Manure																		
Fertilisers	4177.23	3168.88	402.23	332.73	1883.69	1162.70	1891.17	1304.72	3629.69	3161.62	3184.00	2906.73	308.24	338.09	609.53	641.37	6188.04	4082.37
Manure	895.89	281.52	479.96	279.36	0.00	0.00	1036.21	399.88	1795.12	708.58	51.97	1.69	156.58	115.62	40.45	145.45	1239.13	447.68
Total	5073.12	3450.40	882.19	612.09	1883.69	1162.70	2927.38	1704.60	5424.81	3870.20	3235.97	2908.42	464.82	453.71	649.98	786.82	7427.17	4530.05
Insecticides	1481.33	1567.40	10.15	3.13	0.24	9.18	891.69	240.53	544.40	470.44	2441.74	1600.54	157.15	257.18	0.00	0.00	1455.00	503.48
Irrigation charges	913.83	585.89	135.12	137.83	140.13	1086.53	273.98	267.61	1121.37	966.58	6820.18	3466.50	55.13	76.83	0.00	2.05	313.70	544.14
Interest on working capital	950.95	853.91	342.94	313.98	402.90	353.34	429.08	339.27	726.02	642.68	880.69	0.00	150.77	160.30	379.59	353.96	1014.80	821.61
Miscellaneous	42.34	84.91	8.90	0.00	0.00	0.00	1.80	4.41	0.00	0.00	3.71	687.22	0.00	0.00	0.00	0.00	0.00	0.00
<b>Fixed Cost</b>	<b>20533.86</b>	<b>17818.50</b>	<b>7821.16</b>	<b>8177.18</b>	<b>7901.33</b>	<b>5390.76</b>	<b>11103.37</b>	<b>8162.17</b>	<b>10875.26</b>	<b>10287.29</b>	<b>20062.06</b>	<b>21681.19</b>	<b>7644.12</b>	<b>6463.59</b>	<b>6695.99</b>	<b>5823.92</b>	<b>15906.06</b>	<b>12294.01</b>
Rental value of owned land	18677.40	15129.43	4181.25	5397.12	6244.81	4434.01	8416.58	6813.92	8551.21	9021.73	17116.78	19111.43	5337.10	4928.01	5147.21	4058.34	13832.45	10857.65
Rent paid for leased-in land	253.41	1172.49	281.64	658.06	0.00	0.00	0.00	0.00	297.28	84.01	110.30	131.06	127.36	18.43	0.00	0.00	0.00	0.00
Land revenue, cesses & taxes	0.65	1.87	47.87	43.24	29.38	38.34	4.10	3.24	10.30	13.55	0.00	0.00	12.48	11.63	41.70	41.99	20.83	11.91
Depreciation on implements & Farm buildings	199.30	229.58	896.91	558.97	432.74	203.05	851.07	560.08	165.34	113.45	182.91	74.99	449.86	322.83	545.96	550.52	268.69	365.64
Interest on fixed capital	1403.10	1285.13	2413.49	1519.79	1194.40	715.36	1831.62	784.93	1851.13	1054.55	2652.07	2363.71	1717.32	1182.69	961.12	1173.07	1784.09	1058.81
<b>Total Cost</b>	<b>58027.19</b>	<b>51505.34</b>	<b>28976.32</b>	<b>25884.38</b>	<b>27833.63</b>	<b>20960.19</b>	<b>29869.33</b>	<b>23493.97</b>	<b>38578.14</b>	<b>33954.51</b>	<b>56245.80</b>	<b>49868.20</b>	<b>20986.33</b>	<b>18557.86</b>	<b>24933.00</b>	<b>20849.20</b>	<b>54810.01</b>	<b>45658.12</b>
Operational Cost (based on new methodology)	37571.39	33844.68	21155.16	17850.20	19932.30	16920.83	19198.44	15389.65	27793.82	24118.04	36183.74	28187.01	15834.87	12744.50	18408.60	13950.14	39285.11	33439.33
Human Labour (based on new methodology)	20970.83	19339.98	12741.73	10818.51	13019.60	10309.25	7685.03	7009.33	13719.86	11662.63	17532.06	15340.05	11173.27	7878.97	11076.24	8021.70	17812.43	17204.09
Total Cost (based on new methodology)	58105.25	51663.15	28976.32	26027.38	27833.63	22311.59	30301.81	23551.82	38669.08	34405.33	56245.80	49868.20	23478.99	19208.09	25104.59	20849.20	55191.17	45733.34

(Contd.....)

Table - 4.8 (2) Concluded

## Paddy : Break-up of Cost of Cultivation per Hectare (In Rs.)

Cost Items	Kerala		Madhya Pradesh		Maharashtra		Odisha		Punjab		Tamil Nadu		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	2011-12	2010-11	2011-12	2010-11
	1	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
<b>Operational Cost</b>	<b>38155.23</b>	<b>32688.61</b>	<b>17737.84</b>	<b>14949.74</b>	<b>34400.21</b>	<b>38408.23</b>	<b>26417.44</b>	<b>21299.84</b>	<b>26600.55</b>	<b>23916.12</b>	<b>45866.63</b>	<b>37227.36</b>	<b>27054.58</b>	<b>20808.28</b>	<b>27825.72</b>	<b>20253.31</b>	<b>36610.47</b>	<b>31006.18</b>
Human Labour																		
Casual	17947.02	15161.51	3379.74	3717.47	10269.67	12697.10	7296.45	7346.43	6514.73	6028.79	12430.70	10797.49	4824.51	4257.46	6213.19	3571.87	12911.69	9608.51
Attached	0.00	0.00	40.27	133.48	101.64	653.26	143.48	257.49	1013.18	1181.33	345.14	529.38	38.19	84.96	80.04	200.40	31.18	8.23
Family	2827.56	2790.12	4291.75	3483.96	8654.27	5889.09	9154.43	5998.43	4589.49	3275.57	8540.97	6258.51	7839.65	5726.82	8847.60	4174.22	10370.70	9988.66
Total	20774.58	17951.63	7711.76	7334.91	19025.58	19239.45	16594.36	13602.35	12117.40	10485.69	21316.81	17585.38	12702.35	10069.24	15140.83	7946.49	23313.57	19605.40
Bullock Labour																		
Hired	351.33	48.34	285.05	564.65	457.69	1601.89	285.50	336.18	2.08	1.18	244.33	218.58	39.86	46.25	1463.64	791.06	388.28	398.41
Owned	11.67	2.29	2150.41	1409.58	5644.35	3030.43	3636.25	2643.90	42.22	109.31	62.00	156.82	1688.96	798.01	438.95	2.36	1669.17	1622.52
Total	363.00	50.63	2435.46	1974.23	6102.04	4632.32	3921.75	2980.08	44.30	110.49	306.33	375.40	1728.82	844.26	1902.59	793.42	2057.45	2020.93
Machine Labour																		
Hired	7814.45	8259.53	2208.33	1638.99	2954.84	4393.82	1129.23	827.13	2954.37	2671.01	7688.29	6796.27	2829.24	2318.24	1367.70	1471.44	2552.04	1678.43
Owned	23.15	35.43	252.29	31.32	217.61	293.71	47.09	22.43	1417.96	1898.13	347.79	155.61	226.46	419.89	1162.80	1741.12	7.94	16.01
Total	7837.60	8294.96	2460.62	1670.31	3172.45	4687.53	1176.32	849.56	4372.33	4569.14	8036.08	6951.88	3055.70	2738.13	2530.50	3212.56	2559.98	1694.44
Seed	1882.46	1566.63	1269.73	1377.48	1486.96	2311.28	1041.64	889.69	1328.31	1263.59	5445.76	4782.12	2745.99	2035.50	2715.83	2986.99	1387.54	1256.27
Fertilisers and Manure																		
Fertilisers	3747.44	2118.43	2105.14	1146.08	2012.21	1961.44	1758.41	1362.58	3140.28	2848.31	4982.64	3389.73	3358.82	2467.99	2389.15	1726.06	3051.57	2275.98
Manure	1135.18	830.58	942.82	790.80	1193.40	3688.35	1166.49	950.35	194.64	248.79	2254.20	1154.14	171.22	130.51	918.79	1686.71	815.12	1117.08
Total	4882.62	2949.01	3047.96	1936.88	3205.61	5649.79	2924.90	2312.93	3334.92	3097.10	7236.84	4543.87	3530.04	2598.50	3307.94	3412.77	3866.69	3393.06
Insecticides	1066.10	893.03	400.52	234.49	410.62	260.17	59.74	100.83	2672.43	2279.75	1093.16	946.50	152.57	207.41	619.21	759.05	671.38	522.02
Irrigation charges	278.33	76.71	0.00	69.92	216.77	642.27	169.13	100.72	2029.04	1451.54	1299.36	1078.43	2556.78	1844.89	1008.34	654.78	1904.58	1860.11
Interest on working capital	1070.54	906.01	407.46	347.45	780.18	985.42	523.12	463.68	667.00	625.47	1131.08	938.45	582.27	457.01	<b>575.09</b>	487.25	795.14	636.89
Miscellaneous	0.00	0.00	4.33	4.07	0.00	0.00	6.48	0.00	34.82	33.35	1.21	25.33	0.06	13.34	25.39	0.00	54.14	17.06
<b>Fixed Cost</b>	<b>14817.88</b>	<b>11959.24</b>	<b>11397.34</b>	<b>9048.50</b>	<b>10936.54</b>	<b>10491.15</b>	<b>9555.06</b>	<b>9018.56</b>	<b>27213.38</b>	<b>27363.22</b>	<b>13900.42</b>	<b>13405.04</b>	<b>13092.10</b>	<b>11491.07</b>	11730.48	<b>12700.94</b>	<b>12532.52</b>	<b>12013.67</b>
Rental value of owned land	14022.35	11069.11	9036.23	7548.35	6892.35	6395.83	7012.32	7230.77	19744.11	17563.76	9927.10	9620.42	9345.55	9285.83	9683.61	11234.49	9545.49	9265.08
Rent paid for leased-in land	0.00	375.64	0.00	0.00	0.00	0.00	186.61	96.35	4334.12	6586.98	275.13	506.30	440.58	63.85	0.00	0.00	620.24	1275.74
Land revenue, cesses & taxes	82.02	77.85	3.41	2.93	21.46	43.18	31.48	20.64	0.00	0.00	7.02	8.37	4.40	5.67	2.38	5.44	46.86	38.83
Depreciation on implements & Farm buildings	319.94	184.73	546.57	594.11	831.52	606.70	607.62	478.15	314.06	290.16	304.77	291.42	647.89	403.50	555.21	161.28	682.21	551.96
Interest on fixed capital	393.57	251.91	1811.13	903.11	3191.21	3445.44	1717.03	1192.65	2821.09	2922.32	3386.40	2978.53	2653.68	1732.22	1489.28	1299.73	1637.72	882.06
<b>Total Cost</b>	<b>52973.11</b>	<b>44647.85</b>	<b>29135.18</b>	<b>23998.24</b>	<b>45336.75</b>	<b>48899.38</b>	<b>35972.50</b>	<b>30318.40</b>	<b>53813.93</b>	<b>51279.34</b>	<b>59767.05</b>	<b>50632.40</b>	<b>40146.68</b>	<b>32299.35</b>	<b>39556.20</b>	<b>32954.25</b>	<b>49142.99</b>	<b>43019.85</b>
Operational Cost (based on new methodology)	38155.23	32688.61	17737.84	15025.81	34400.21	38408.23	26543.10	21709.03	26714.54	23916.12	45866.63	37227.36	27207.58	20808.28	28733.34	20530.74	36610.47	31006.18
Human Labour (based on new methodology)	20774.58	17951.63	7711.76	7410.98	19025.58	19239.45	16720.02	14011.54	12231.39	10485.69	21316.81	17585.38	12855.35	10069.24	16048.45	8223.92	23313.57	19605.40
Total Cost (based on new methodology)	52973.11	44647.85	29135.18	24074.31	45336.75	48899.38	36098.16	30727.59	53927.92	51279.34	59767.05	50632.40	40299.68	32299.35	40463.82	33231.68	49142.99	43019.85

Table - 4.8 (4)

## Cotton : Estimates of Cost of Cultivation/Production and related data

	Andhra Pradesh		Gujarat		Haryana		Karnataka		Madhya Pradesh		Maharashtra		Odisha		Punjab		Rajasthan		Tamil Nadu	
	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	2009-10	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	20	21
Cost of Cultivation per hectare(Rs)																				
A1	33139.30	23976.78	32165.04	27019.02	25886.94	20268.46	25995.59	18778.12	16039.99	12442.69	37653.23	31655.82	22554.88	17798.61	34286.36	26364.81	17495.13	11885.88	30058.21	33378.43
A2	33503.77	24061.65	33087.24	27287.13	25886.94	20268.46	25995.59	18778.12	16039.99	12442.69	37746.04	31655.82	22554.88	18099.76	36083.17	26845.81	17495.13	11885.88	30058.21	33454.44
A2+FL	38772.50	28861.62	41468.38	34552.00	38803.42	29345.24	29807.88	22087.89	22993.93	17976.33	45743.38	38359.30	30855.49	25475.42	41380.69	31178.78	35821.17	25194.76	47880.76	42390.85
B1	36687.47	25979.83	36073.93	29550.05	28916.27	22927.70	28151.07	19869.88	18087.13	13804.82	43540.90	35288.73	23860.50	18548.05	37840.13	28491.71	20173.61	14526.17	33567.73	35393.88
B2	56365.27	44601.43	49656.74	46460.91	49413.49	37738.34	40922.83	32228.97	34907.45	29130.99	53910.16	45880.07	35133.72	31727.40	61400.04	54949.08	35970.21	30696.70	43496.36	47811.11
C1	41956.20	30779.80	44455.07	36814.93	41832.75	32004.47	31963.36	23179.65	25041.27	19338.46	51538.24	41992.21	32161.11	25923.71	43137.66	32824.69	38499.64	27835.05	51390.28	44330.28
C2	61634.00	49401.41	58037.88	53725.77	62329.97	46815.11	44735.12	35538.75	41861.39	34664.63	61907.49	52583.55	43434.33	39103.06	66697.56	59282.06	54296.25	44005.58	61318.90	56747.52
C2*	61659.49	49401.41	58387.77	54089.07	62329.97	46815.11	45076.61	36216.84	42289.34	35786.99	61907.49	52748.59	43434.33	40206.55	66697.56	59282.06	56097.36	44005.58	61318.90	56747.52
Yield per hectare (Quintals)	17.32	14.94	17.48	22.01	18.64	16.26	14.75	12.10	16.34	14.36	15.34	14.40	12.58	14.88	16.90	19.30	21.51	21.59	14.41	19.85
Value of the main-product per hectare (Rs)	66113.37	62053.40	77964.93	102270.90	74423.04	71900.80	57495.87	59090.52	64563.00	58790.49	61253.98	62684.87	44112.47	54832.87	68425.11	82064.02	90415.46	93152.16	52014.40	79735.18
Value of the by-product per hectare (Rs)	22.64	5.67	1245.51	1081.28	2628.82	2020.20	1176.59	925.08	2717.46	2514.20	759.41	850.48	980.40	1191.54	3413.49	3442.75	4345.27	3851.59	469.10	154.87
Implicit price (Rs./qtl)	3817.17	4153.51	4460.24	4646.57	3992.65	4421.94	3898.03	4883.51	3951.22	4094.05	3993.09	4353.12	3506.56	3685.00	4048.82	4252.02	4203.42	4314.60	3609.60	4016.89
Cost of production per quintal (Rs)																				
A1	1980.13	1607.21	1826.81	1228.42	1345.71	1213.53	1704.62	1570.39	935.97	873.69	2397.40	2171.55	1730.19	1180.15	1931.44	1310.78	776.20	545.35	2082.84	1684.42
A2	1995.62	1612.29	1885.72	1237.50	1345.71	1213.53	1704.62	1570.39	935.97	873.69	2402.87	2171.55	1730.19	1196.56	2033.51	1334.69	776.20	545.35	2082.84	1686.89
A2+FL	2237.83	1931.66	2335.03	1553.41	2010.71	1755.43	1980.35	1797.31	1350.38	1200.49	2945.45	2628.18	2399.41	1675.65	2332.22	1550.44	1588.96	1120.63	3293.05	2131.42
B1	2164.31	1743.03	2058.95	1341.47	1501.65	1373.16	1846.39	1670.93	1056.12	970.55	2794.53	2419.02	1828.31	1230.99	2131.99	1416.52	899.04	660.87	2319.06	1785.73
B2	3278.60	2984.20	2804.63	2091.35	2567.18	2260.33	2711.74	2596.74	2045.46	1972.63	3462.27	3142.90	2706.32	2088.11	3460.11	2731.90	1589.65	1389.20	3030.88	2412.72
C1	2443.18	2064.35	2521.84	1664.88	2163.95	1913.37	2105.63	1958.42	1469.97	1314.04	3317.32	2879.31	2499.98	1713.44	2431.32	1631.94	1722.72	1229.80	3507.40	2226.52
C2	3557.48	3305.52	3267.52	2414.76	3229.48	2800.54	2970.98	2884.22	2459.30	2316.11	3985.05	3603.20	3378.00	2570.56	3759.44	2947.32	2413.33	1958.13	4219.21	2853.51
C2*	3558.80	3305.52	3287.41	2431.06	3229.48	2800.54	2994.06	2939.09	2483.70	2390.65	3985.05	3614.43	3378.00	2643.69	3759.44	2947.32	2493.35	1958.13	4219.21	2853.51
C3	3914.68	3636.07	3616.15	2674.16	3552.43	3080.59	3293.47	3233.00	2732.07	2629.71	4383.56	3975.88	3715.80	2908.06	4135.38	3242.05	2742.69	2153.94	4641.13	3138.86
Material and labour inputs per hectare																				
ITEM	UNIT																			
Seeds (kgs.)	1.67	1.47	1.66	1.58	2.26	1.93	2.01	1.98	1.13	1.24	1.75	1.87	1.50	1.52	2.79	2.70	6.85	10.42	5.96	6.68
Fertilisers (kgs. of Nutrients)	237.17	261.98	215.07	203.50	134.35	152.80	164.23	151.98	92.22	80.36	273.15	218.17	197.85	183.47	230.98	211.60	119.19	132.78	276.42	361.11
Manure (Quintals)	19.39	13.44	44.41	40.90	0.48	0.73	15.42	11.02	6.44	1.52	14.39	18.94	20.19	18.34	0.00	1.66	16.28	7.62	21.50	20.53
Human Labour (Man Hours)	636.76	612.11	1067.25	1335.62	747.23	573.77	768.28	750.59	523.94	505.24	958.73	1067.47	1346.25	1562.39	707.51	703.12	772.46	782.48	1074.50	1226.56
Animal Labour (Pair Hours)	38.71	32.29	29.52	42.54	13.67	9.32	48.07	77.10	64.56	82.44	98.06	109.52	120.79	120.75	4.50	3.76	12.56	2.71	9.65	1.01

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.

Table - 4.8 (5)

## Cotton : Break-up of Cost of Cultivation per Hectare (In Rs.)

Cost Items	Andhra Pradesh		Gujarat		Haryana		Karnataka		Madhya Pradesh		Maharashtra		Odisha		Punjab		Rajasthan		Tamil Nadu	
	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	2011-12	2010-11
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
<b>Operational Cost</b>	<b>38052.87</b>	<b>28327.24</b>	<b>40193.62</b>	<b>34950.98</b>	<b>38499.16</b>	<b>29155.28</b>	<b>29498.31</b>	<b>21726.24</b>	<b>22265.92</b>	<b>17238.11</b>	<b>44844.73</b>	<b>37489.84</b>	<b>30431.21</b>	<b>24813.71</b>	<b>39115.74</b>	<b>30337.67</b>	<b>35570.57</b>	<b>24886.12</b>	<b>47392.59</b>	<b>42044.43</b>
Human Labour																				
Casual	13387.05	8825.55	11438.54	8956.01	8117.67	5772.95	10182.32	7193.79	4526.54	3254.89	10547.72	11466.89	8801.10	8702.68	11963.33	7999.73	3496.57	1062.10	12580.85	17202.15
Attached	695.34	803.58	193.56	111.07	858.99	530.58	0.00	24.66	5.97	22.13	1582.22	569.48	735.05	395.06	1728.67	1388.25	376.61	1251.98	0.00	873.93
Family	5268.73	4799.97	8381.14	7264.87	12916.48	9076.78	3812.29	3309.77	6953.94	5533.64	7997.34	6703.48	8300.61	7375.66	5297.52	4332.97	18326.04	13308.88	17822.55	8936.41
Total	19351.12	14429.10	20013.24	16331.95	21893.14	15380.31	13994.61	10528.22	11486.45	8810.66	20127.28	18739.85	17836.76	16473.40	18989.52	13720.95	22199.22	15622.96	30403.40	27012.49
Bullock Labour																				
Hired	491.15	446.12	542.02	615.95	113.71	69.53	740.20	901.78	95.49	216.48	620.41	990.84	32.82	96.21	3.77	0.00	75.46	20.78	104.89	40.54
Owned	1675.68	1133.94	1362.54	1906.06	1282.96	618.96	1375.84	1796.88	2133.71	2567.51	5390.50	5346.75	2614.73	1520.80	209.35	299.54	442.71	61.84	382.77	0.00
Total	2166.83	1580.06	1904.56	2522.01	1396.67	688.49	2116.04	2698.66	2229.20	2783.99	6010.91	6337.59	2647.55	1617.01	213.12	299.54	518.17	82.62	487.66	40.54
Machine Labour																				
Hired	2179.62	2575.02	2571.48	1814.49	1887.28	1229.86	2861.67	1143.67	781.47	871.75	2383.57	1439.12	813.57	473.93	608.33	826.29	1625.15	1516.53	3160.79	3434.12
Owned	222.33	38.91	533.53	137.77	1092.31	1662.38	219.79	510.64	4.60	4.16	398.02	84.03	43.98	9.87	3158.91	2609.63	447.59	92.28	203.85	449.28
Total	2401.95	2613.93	3105.01	1952.26	2979.59	2892.24	3081.46	1654.31	786.07	875.91	2781.59	1523.15	857.55	483.80	3767.24	3435.92	2072.74	1608.81	3364.64	3883.40
Seed	3711.15	2212.22	2956.61	2496.29	4532.93	3512.57	3777.29	2491.98	2346.50	1836.90	3750.78	2753.70	3744.23	2221.00	5793.77	4754.51	3954.46	2555.58	2374.20	1853.05
Fertilisers and Manure																				
Fertilisers	4922.69	3615.54	3642.49	2909.88	2123.81	2072.46	3193.61	2453.63	1693.22	1203.08	5475.06	3549.41	3327.32	2404.45	3230.52	2801.91	2029.80	1825.00	6007.58	5055.83
Manure	1461.39	1110.77	2434.72	1785.22	16.28	14.58	1387.77	526.02	818.00	167.59	1332.09	1465.21	1066.31	802.61	0.00	16.56	1017.50	459.49	1004.77	1166.69
Total	6384.08	4726.31	6077.21	4695.10	2140.09	2087.04	4581.38	2979.65	2511.22	1370.67	6807.15	5014.62	4393.63	3207.06	3230.52	2818.47	3047.30	2284.49	7012.35	6222.52
Insecticides	2738.21	1791.00	2458.25	3069.38	1992.39	1500.96	902.87	749.77	1943.07	1070.00	2198.44	1449.27	277.54	218.27	5655.54	4101.78	2460.13	1735.15	1622.27	1356.59
Irrigation charges	291.93	231.65	2705.02	3075.33	2699.34	2485.23	266.30	65.58	499.41	135.30	2006.57	703.79	0.00	0.00	387.92	415.70	795.99	645.68	1232.01	672.57
Interest on working capital	993.46	712.95	964.01	808.66	775.23	608.44	778.36	558.07	464.00	354.68	1116.59	932.92	670.62	528.43	1024.79	788.02	522.56	350.83	896.06	1003.27
Miscellaneous	14.14	30.02	9.71	0.00	89.78	0.00	0.00	0.00	0.00	0.00	45.42	34.95	3.33	64.74	53.32	2.78	0.00	0.00	0.00	0.00
<b>Fixed Cost</b>	<b>23581.13</b>	<b>21074.17</b>	<b>17844.26</b>	<b>19774.79</b>	<b>23830.82</b>	<b>17659.83</b>	<b>15236.81</b>	<b>13812.51</b>	<b>19595.47</b>	<b>17426.52</b>	<b>17062.76</b>	<b>15093.71</b>	<b>13003.12</b>	<b>14289.35</b>	<b>27581.82</b>	<b>28944.39</b>	<b>18725.68</b>	<b>19119.46</b>	<b>13926.31</b>	<b>14703.09</b>
Rental value of owned land	19313.33	18536.74	12660.61	16642.75	20497.23	14810.64	12771.76	12359.09	16820.11	15326.17	10276.44	10591.34	11273.22	12878.19	21763.10	25976.36	15796.61	16170.53	9928.63	12341.23
Rent paid for leased-in land	364.47	84.87	922.20	268.11	0.00	0.00	0.00	0.00	0.00	0.00	92.81	0.00	0.00	301.15	1796.81	481.00	0.00	0.00	0.00	76.01
Land revenue, cesses & taxes	0.51	0.83	13.66	14.86	0.00	0.00	9.73	21.80	2.84	3.27	29.55	42.02	10.00	7.32	0.00	8.07	8.12	11.15	16.09	
Depreciation on implements & Farm buildings	354.64	448.68	338.90	318.04	304.26	189.96	299.84	339.86	725.18	734.95	776.29	827.44	414.28	353.25	468.13	360.12	242.53	300.52	477.02	254.32
Interest on fixed capital	3548.18	2003.05	3908.89	2531.03	3029.33	2659.23	2155.48	1091.76	2047.34	1362.13	5887.67	3632.91	1305.62	749.44	3553.78	2126.91	2678.47	2640.29	3509.51	2015.44
<b>Total Cost</b>	<b>61634.00</b>	<b>49401.41</b>	<b>58037.88</b>	<b>54725.77</b>	<b>62329.98</b>	<b>46815.11</b>	<b>44735.12</b>	<b>35538.75</b>	<b>41861.39</b>	<b>34664.63</b>	<b>61907.49</b>	<b>52583.55</b>	<b>43434.33</b>	<b>39103.06</b>	<b>66697.56</b>	<b>59282.06</b>	<b>54296.25</b>	<b>44005.58</b>	<b>61318.90</b>	<b>56747.52</b>
Operational Cost (based on new methodology)	38078.36	28327.24	40543.51	35314.28	38499.16	29155.28	29839.80	22404.33	22693.87	18360.47	44844.73	37654.88	30431.21	25917.20	39115.74	30337.67	37371.68	24886.12	47392.59	42044.43
Human Labour (based on new methodology)	19376.61	14429.10	20363.13	16695.25	21893.14	15380.31	14336.10	11206.31	11914.40	9933.02	20127.28	18904.89	17836.76	17576.89	18989.52	13720.95	24000.33	15622.96	30403.40	27012.49
Total Cost (based on new methodology)	61659.49	49401.41	58387.77	54089.07	62329.97	46815.11	45076.61	36216.84	42289.34	35786.99	61907.49	52748.59	43434.33	40206.55	66697.56	59282.06	56097.36	44005.58	61318.90	56747.52





Table - 4.8 (7)

**Jowar : Estimates of Cost of Cultivation/Production and related data**

	Andhra Pradesh		Karnataka		Madhya Pradesh		Maharashtra		Tamil Nadu	
	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
Cost of Cultivation per hectare(Rs)										
A1	15032.21	15673.61	10764.00	7599.19	8701.60	9163.04	18793.86	14809.04	10844.81	8912.85
A2	15032.21	16966.39	10764.00	7599.19	8701.60	9163.04	18844.82	14809.04	10844.81	8912.85
A2+FL	19181.02	21130.34	13734.25	9535.15	11522.38	13783.97	24150.05	18579.22	14766.40	11993.71
B1	16289.43	17008.31	12176.88	8329.71	9355.55	10083.78	22828.92	17598.76	12020.86	9204.71
B2	24516.55	27284.57	18075.72	11945.01	13286.07	13976.87	29439.24	22563.05	16472.00	12543.16
C1	20438.24	21172.26	15147.13	10265.67	12176.33	14704.70	28134.15	21368.94	15942.45	12285.58
C2	25665.36	31448.52	21045.98	13880.98	16106.85	18597.79	34744.47	26333.23	20393.59	15624.02
C2*	28665.36	31448.52	21400.94	13984.85	16284.19	18597.79	34744.47	26333.23	20393.59	15624.02
Yield per hectare (Quintals)	14.77	13.99	10.29	6.57	12.84	14.42	15.92	12.77	6.53	8.47
Value of the main-product per hectare (Rs)	23386.47	30668.50	22842.46	13229.28	12725.71	11852.64	27588.83	20002.96	9210.44	10743.95
Value of the by-product per hectare (Rs)	4037.25	2379.09	3346.68	2246.20	2996.40	3719.71	11924.59	9776.83	11005.46	6085.68
Implicit price (Rs./qtl)	1583.38	2192.17	2219.87	2013.59	991.10	821.96	1732.97	1566.40	1410.48	1268.47
Cost of production per quintal (Rs)										
A1	921.14	1062.39	934.94	990.67	564.79	480.58	813.32	757.08	811.17	710.50
A2	921.14	1194.36	934.94	990.67	564.79	480.58	815.69	757.08	811.17	710.50
A2+FL	1107.46	1401.66	1164.16	1240.66	726.35	727.56	1059.17	977.26	1030.26	903.98
B1	959.99	1168.98	1067.48	1082.62	606.99	529.16	992.76	917.59	919.89	732.87
B2	1343.99	1750.79	1514.30	1539.94	839.22	734.61	1283.14	1168.35	1225.24	996.90
C1	1254.48	1428.55	1331.45	1338.87	775.80	774.68	1233.44	1130.97	1254.51	972.68
C2	1638.48	2010.36	1778.27	1796.19	1008.03	980.14	1523.81	1381.73	1559.86	1236.71
C2*	1638.48	2010.36	1808.30	1810.48	1019.44	980.14	1523.81	1381.73	1559.86	1236.71
C3	1802.33	2211.40	1989.13	1991.53	1121.38	1078.15	1676.19	1519.90	1715.85	1360.38
Material and labour inputs per hectare										
ITEM	UNIT									
Seeds (kgs.)	14.23	9.97	9.63	7.73	11.39	15.46	11.48	10.75	31.27	27.91
Fertilisers (kgs. of Nutrients)	94.98	137.47	71.14	40.74	55.60	39.93	77.64	64.79	17.94	23.38
Manure (Quintals)	1.33	0.26	1.12	0.00	2.70	4.43	0.65	3.99	9.18	9.15
Human Labour (Man Hours)	422.07	517.54	421.93	350.37	248.11	404.70	564.18	517.11	318.27	327.96
Animal Labour (Pair Hours)	55.55	50.29	51.22	41.15	36.35	72.65	71.32	77.89	3.00	6.60

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.



Table - 4.8 (5)

**Jowar : Break-up of Cost of Cultivation per Hectare (In Rs.)**

Cost Items	Andhra Pradesh		Karnataka		Madhya Pradesh		Maharashtra		Tamil Nadu	
	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
<b>Operational Cost</b>	<b>18795.22</b>	<b>19569.97</b>	<b>13485.56</b>	<b>9352.67</b>	<b>11221.15</b>	<b>13323.96</b>	<b>23515.16</b>	<b>18035.17</b>	<b>14573.55</b>	<b>11816.14</b>
Human Labour										
Casual	5564.29	7078.40	4113.48	3686.40	1761.31	1821.99	5752.14	4795.55	5809.54	4080.87
Attached	2.55	618.99	8.37	12.45	14.21	391.50	855.01	284.26	46.03	0.47
Family	4148.81	4163.95	2970.25	1935.96	2820.78	4620.93	5305.23	3770.18	3921.59	3080.86
Total	9715.65	11861.34	7092.10	5634.81	4596.30	6834.42	11912.38	8849.99	9777.16	7162.20
Bullock Labour										
Hired	632.81	448.96	485.82	746.05	0.00	472.76	374.01	1007.44	101.02	215.36
Owned	2288.36	1967.35	1659.76	779.22	508.72	1935.03	4154.87	3436.69	48.22	70.25
Total	2921.17	2416.31	2145.58	1525.27	508.72	2407.79	4528.88	4444.13	149.24	285.61
Machine Labour										
Hired	1711.84	1866.33	1441.64	919.41	3075.62	1779.07	2501.65	2036.20	2193.15	2030.58
Owned	6.01	106.43	103.58	98.18	0.00	0.00	39.98	34.80	1.59	0.12
Total	1717.85	1972.76	1545.22	1017.59	3075.62	1779.07	2541.63	2071.00	2194.74	2030.70
Seed	695.64	550.43	567.14	245.23	1093.79	1002.49	772.98	476.43	669.29	788.03
Fertilisers and Manure										
Fertilisers	1944.99	2016.26	1589.33	695.04	1103.35	608.50	1539.10	991.96	557.27	294.84
Manure	50.41	7.94	115.15	0.00	269.91	427.96	112.17	328.21	461.32	851.58
Total	1995.4	2024.20	1704.48	695.04	1373.26	1036.46	1651.27	1320.17	1018.59	1146.42
Insecticides	453.78	50.58	14.93	6.03	318.90	0.00	5.95	1.19	59.33	7.42
Irrigation charges	846.44	222.28	97.46	3.95	0.00	0.00	1550.25	440.00	382.41	131.05
Interest on working capital	443.83	5.22	318.65	224.75	254.56	263.73	551.82	432.26	322.79	264.71
Miscellaneous	5.46	466.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Fixed Cost</b>	<b>9870.14</b>	<b>11878.55</b>	<b>7560.42</b>	<b>4528.31</b>	<b>4885.70</b>	<b>5273.83</b>	<b>11229.31</b>	<b>8298.06</b>	<b>5820.04</b>	<b>3807.88</b>
Rental value of owned land	8227.12	8983.48	5898.85	3615.31	3930.53	3893.09	6559.36	4964.29	4451.14	3338.44
Rent paid for leased-in land	0.00	1292.78	0.00	0.00	0.00	0.00	50.95	0.00	0.00	0.00
Land revenue, cesses & taxes	0.76	3.92	9.14	12.08	2.08	3.70	22.93	28.12	10.57	7.59
Depreciation on implements & Farm buildings	385.04	263.67	239.55	170.40	299.15	456.30	561.01	515.93	182.28	169.99
Interest on fixed capital	1257.22	1334.70	1412.88	730.52	653.94	920.74	4035.06	2789.72	1176.05	291.86
<b>Total Cost</b>	<b>28665.36</b>	<b>31448.52</b>	<b>21045.98</b>	<b>13880.98</b>	<b>16106.85</b>	<b>18597.79</b>	<b>34744.47</b>	<b>26333.23</b>	<b>20393.59</b>	<b>15624.02</b>
Operational Cost (based on new methodology)	21795.22	19569.97	13840.52	9456.54	11398.49	13323.96	23515.16	18035.17	14573.55	11816.14
Human Labour (based on new methodology)	12715.65	11861.34	7447.06	5738.68	4773.64	6834.42	11912.38	8849.99	9777.16	7162.20
Total Cost (based on new methodology)	28665.36	31448.52	21400.94	13984.85	16284.19	18597.79	34744.47	26333.23	20393.59	15624.02



Table - 4.8 (9)

## Bajra : Estimates of Cost of Cultivation/Production and related data

	Gujarat		Haryana		Karnataka		Maharashtra		Rajasthan		Tamil Nadu		Uttar P
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2011-12	
1	2	3	4	5	6	7	8	9	10	11	12	13	
Cost of Cultivation per hectare(Rs)													
A1	17707.12	11804.20	9731.30	7789.60	8907.11	7658.26	18754.19	13987.52	6384.57	4047.61	13136.15	8437.44	
A2	17963.38	11804.20	9731.30	7789.60	8907.11	7658.26	18754.19	13987.52	6384.57	4106.70	13136.15	8437.44	
A2+FL	23407.54	15308.81	17406.95	14454.14	11306.51	9166.85	22137.61	18719.23	13117.38	8863.59	16630.89	14301.85	
B1	19255.23	12850.51	11492.72	9189.48	9749.19	8155.99	20912.49	15549.89	7767.62	5063.16	14406.68	10025.83	
B2	25558.76	17623.71	17214.25	15226.03	12047.59	10624.00	25283.39	19767.14	10135.11	7507.08	18901.58	15402.43	
C1	24699.38	16355.12	19168.37	15854.02	12148.58	9664.58	24295.91	20281.60	14500.43	9820.05	17901.42	15890.24	
C2	31002.92	21128.32	24889.90	21890.57	14446.99	12132.59	28666.81	24499.11	16867.91	12263.97	22396.32	21266.84	
C2*	31813.28	21973.90	25968.58	22159.03	15000.84	12279.66	28666.81	24499.11	17111.91	13017.06	22396.32	21266.84	
Yield per hectare (Quintals)	24.49	18.38	18.68	17.86	8.72	10.71	18.80	20.59	11.30	11.28	19.26	19.09	
Value of the main-product per hectare (Rs)	26170.31	18964.13	14738.92	14881.14	9189.22	8883.64	20403.70	20060.04	8920.95	8344.96	20802.16	13819.29	
Value of the by-product per hectare (Rs)	11287.16	9669.30	2782.54	3959.14	1474.25	1261.98	5816.48	5239.99	5281.12	6128.18	1131.69	3881.59	
Implicit price (Rs./qtl)	1068.61	1031.78	789.02	833.21	1053.81	829.47	1085.30	974.26	789.46	739.80	1080.07	723.90	
Cost of production per quintal (Rs)													
A1	506.09	425.35	439.44	345.39	883.07	633.13	774.76	539.43	362.20	208.54	644.18	340.07	
A2	514.15	425.35	439.44	345.39	883.07	633.13	774.76	539.43	362.20	211.70	644.18	340.07	
A2+FL	667.79	551.64	783.86	639.23	1117.36	749.45	916.32	720.85	729.17	489.93	818.94	584.89	
B1	548.33	462.42	518.33	407.60	967.56	672.31	867.31	599.26	434.69	254.72	709.79	406.68	
B2	727.82	628.81	775.28	675.06	1194.66	874.29	1044.72	761.71	560.07	381.41	929.35	629.15	
C1	704.83	589.97	864.79	702.04	1200.19	793.94	1009.97	781.23	805.63	501.89	884.27	646.39	
C2	884.33	756.36	1121.74	969.50	1427.29	995.70	1187.38	943.68	931.01	628.58	1103.83	868.86	
C2*	907.62	786.64	1170.50	981.39	1482.43	1107.70	1187.38	943.68	944.67	667.31	1103.83	868.86	
C3	998.38	865.31	1287.55	1079.52	1630.67	1108.47	1306.12	1038.05	1039.13	734.04	1214.21	955.75	
Material and labour inputs per hectare													
ITEM	UNIT												
Seeds (kgs.)	6.71	6.08	4.10	4.09	4.09	3.27	3.98	4.62	5.17	5.85	8.07	5.43	
Fertilisers (kgs. of Nutrients)	141.24	111.58	73.90	73.02	63.23	34.93	82.35	84.19	23.53	15.20	54.09	70.19	
Manure (Quintals)	10.47	11.52	0.00	0.00	4.89	0.00	3.78	4.79	4.65	3.54	10.57	0.00	
Human Labour (Man Hours)	617.79	583.68	323.20	297.12	298.49	320.57	564.93	532.47	322.56	302.76	373.03	383.23	
Animal Labour (Pair Hours)	14.48	13.11	2.63	9.04	37.71	33.47	28.49	49.04	2.29	2.73	6.34	2.06	

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.

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Table - 4.8 (10)

**Bajra : Break-up of Cost of Cultivation per Hectare (In Rs.)**

Cost Items	Gujarat		Haryana		Karnataka		Maharashtra		Rajasthan		Tamil Nadu		Uttar P
	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
1	2	3	4	5	6	7	8	9	10	11	12	13	
<b>Operational Cost</b>	<b>22984.96</b>	<b>15133.14</b>	<b>17182.64</b>	<b>14173.11</b>	<b>11176.13</b>	<b>8992.89</b>	<b>21726.25</b>	<b>18000.54</b>	<b>12793.19</b>	<b>8549.12</b>	<b>16405.26</b>	<b>13657.94</b>	
Human Labour													
Casual	5841.77	2906.15	2458.42	1661.25	3013.57	3370.42	7029.35	4694.10	2102.63	1033.47	7377.86	2152.41	
Attached	6.22	39.66	192.98	7.37	0.00	0.00	452.56	34.12	71.59	11.30	0.00	0.00	
Family	5444.16	3504.61	7675.65	6664.54	2399.40	1508.59	3383.42	4731.71	6732.81	4756.89	3494.74	5864.41	
Total	11292.15	6450.42	10327.05	8333.16	5412.97	4879.01	10865.33	9459.93	8907.03	5801.66	10872.60	8016.82	
Bullock Labour													
Hired	521.67	390.37	1.75	199.58	555.80	1251.84	435.05	931.09	20.44	12.15	190.18	0.00	
Owned	597.08	499.00	270.18	624.05	1133.60	312.35	1400.11	1742.49	104.75	21.07	0.00	165.24	
Total	1118.75	889.37	271.93	823.63	1689.40	1564.19	1835.16	2673.58	125.19	33.22	190.18	165.24	
Machine Labour													
Hired	3043.47	2837.08	3394.77	2575.83	1226.78	1147.70	4170.23	2387.16	2219.75	1653.20	1978.66	2917.45	
Owned	231.11	133.18	768.05	480.30	152.93	81.42	829.32	246.64	89.08	43.03	272.19	159.83	
Total	3274.58	2970.26	4162.82	3056.13	1379.71	1229.12	4999.55	2633.80	2308.83	1696.23	2250.85	3077.28	
Seed	1278.97	919.89	698.96	680.00	695.56	446.95	714.10	739.12	636.68	486.91	520.10	685.65	
Fertilisers and Manure													
Fertilisers	2579.99	1555.36	1091.40	951.25	1345.08	580.21	1292.32	1227.56	342.41	204.15	1281.62	1050.56	
Manure	493.95	679.42	0.00	0.00	283.06	0.00	451.69	462.76	235.34	178.37	528.48	0.00	
Total	3073.94	2234.78	1091.40	951.25	1628.14	580.21	1744.01	1690.32	577.75	382.52	1810.10	1050.56	
Insecticides	17.70	57.92	3.34	10.07	0.00	0.00	0.00	0.00	1.36	19.80	122.73	0.00	
Irrigation charges	2397.33	1258.12	339.05	91.34	104.39	66.61	1012.26	401.72	52.70	13.86	247.47	426.22	
Interest on working capital	531.54	352.38	288.09	227.53	265.96	226.80	555.84	402.07	183.65	114.92	391.23	236.17	
Miscellaneous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Fixed Cost</b>	<b>8017.96</b>	<b>5995.18</b>	<b>7707.26</b>	<b>7717.46</b>	<b>3270.86</b>	<b>3139.70</b>	<b>6940.56</b>	<b>6498.57</b>	<b>4074.72</b>	<b>3714.85</b>	<b>5991.06</b>	<b>7608.90</b>	
Rental value of owned land	6047.27	4773.19	5721.53	6036.55	2298.40	2468.01	4370.90	4217.51	2367.48	2384.84	4494.90	5376.60	
Rent paid for leased-in land	256.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.09	0.00	0.00	
Land revenue, cesses & taxes	4.92	7.57	0.00	0.00	7.15	3.51	22.15	15.89	4.08	4.85	6.26	3.48	
Depreciation on implements & Farm buildings	161.40	168.11	224.31	281.04	123.23	170.45	389.22	702.80	320.11	250.52	219.36	640.43	
Interest on fixed capital	1548.11	1046.31	1761.42	1399.87	842.08	497.73	2158.29	1562.37	1383.05	1015.55	1270.54	1588.39	
<b>Total Cost</b>	<b>31002.92</b>	<b>21128.32</b>	<b>24889.90</b>	<b>21890.57</b>	<b>14446.99</b>	<b>12132.59</b>	<b>28666.81</b>	<b>24499.11</b>	<b>16867.91</b>	<b>12263.97</b>	<b>22396.32</b>	<b>21266.84</b>	
Operational Cost (based on new methodology)	23795.32	15978.72	18261.32	14441.57	11729.98	9139.96	21726.25	18000.54	13037.19	9302.21	16405.26	13657.94	
Human Labour (based on new methodology)	12102.51	7296.00	11405.73	8601.62	5966.82	5026.08	10865.33	9459.93	9151.03	6554.75	10872.60	8016.82	
Total Cost (based on new methodology)	31813.28	21973.90	25968.58	22159.03	15000.84	12279.66	28666.81	24499.11	17111.91	13017.06	22396.32	21266.84	



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Table - 4.8 (11)

## Maize : Estimates of Cost of Cultivation/Production and related data

	Andhra Pradesh		Bihar		Chhattisgarh		Gujarat		Himachal Pradesh	
	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
Cost of Cultivation per hectare(Rs)										
A1	23633.68	24171.49	16150.83	14624.37	1764.64	2177.45	18055.68	14633.29	7208.15	6010.41
A2	24156.95	25565.13	16150.83	14624.37	1764.64	2177.45	18055.68	14633.29	7239.01	6014.70
A2+FL	27975.52	31080.06	20352.35	16911.51	8200.58	9360.71	19643.20	17492.87	14665.17	12256.82
B1	25081.51	25487.91	17529.55	14990.77	2063.83	2364.24	22276.80	15488.28	9307.47	7795.37
B2	40219.56	40713.57	23439.47	20964.14	5195.35	4671.22	22439.46	19689.99	13521.93	11685.49
C1	28900.08	31002.85	21731.07	17277.91	8499.77	9547.50	23864.32	18347.86	16733.63	14037.49
C2	44038.14	46228.50	27640.99	23251.28	11631.29	11854.48	26660.58	22549.57	20948.09	17927.61
C2*	44051.99	46228.50	27640.99	24166.97	12156.00	12536.06	26730.92	23436.07	22088.68	17927.61
Yield per hectare (Quintals)	47.28	51.06	30.80	36.44	12.67	8.86	10.77	17.15	13.93	15.30
Value of the main-product per hectare (Rs)	48210.75	52500.77	31026.04	46321.89	11752.17	7479.07	11365.53	17749.60	13710.41	14386.88
Value of the by-product per hectare (Rs)	1931.04	2380.47	5861.10	12600.54	773.91	1748.84	5408.70	7455.64	5315.14	5499.63
Implicit price (Rs./qtl)	1019.69	1028.22	1007.34	1271.18	927.56	844.14	1055.30	1034.96	984.24	940.32
Cost of production per quintal (Rs)										
A1	476.30	474.38	441.93	282.02	130.63	199.18	1156.13	600.61	367.50	281.65
A2	488.52	501.90	441.93	282.02	130.63	199.18	1156.13	600.61	368.98	281.85
A2+FL	568.91	582.29	555.80	364.85	607.25	856.29	1401.47	718.28	758.66	579.55
B1	504.36	497.53	474.73	290.65	152.78	216.26	1257.98	635.42	474.70	365.41
B2	517.96	769.75	634.33	436.74	384.60	427.29	1436.79	808.06	693.72	550.23
C1	577.94	594.24	594.52	371.27	629.22	873.33	1529.45	754.23	863.84	662.44
C2	891.54	866.46	754.13	517.36	861.03	1084.35	1708.26	926.87	1082.86	847.27
C2*	891.73	866.46	754.13	537.67	900.15	1146.76	1712.83	963.06	1141.84	847.27
C3	980.90	953.11	829.54	591.44	990.17	1261.45	1884.11	1059.37	1256.03	932.00
Material and labour inputs per hectare										
ITEM UNIT										
Seeds (kgs.)	19.77	20.50	19.88	24.43	23.04	23.95	45.34	14.95	32.53	31.84
Fertilisers (kgs. of Nutrients)	203.63	211.93	123.68	159.98	0.00	0.00	133.08	136.52	46.97	47.79
Manure (Quintals)	8.51	6.46	14.26	1.38	0.00	0.00	34.56	48.76	43.07	36.11
Human Labour (Man Hours)	455.99	646.12	570.46	457.73	518.26	554.09	755.73	543.53	388.01	365.08
Animal Labour (Pair Hours)	22.90	36.86	1.40	4.17	30.43	68.37	48.42	33.68	46.88	39.76

Table - 4.8 (11) Concluded

## Maize : Estimates of Cost of Cultivation/Production and related data

	Karnataka		Madhya Pradesh		Rajasthan		Tamil Nadu		Uttar Pradesh	
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	12	13	14	15	16	17	18	19	20	21
Cost of Cultivation per hectare (Rs)										
A1	21521.61	14528.02	11631.89	7225.33	9192.24	12119.32	35532.29	25076.75	10134.22	8274.64
A2	21521.61	14528.02	11631.89	7225.33	9192.24	12504.29	35634.21	25406.24	10134.22	8316.14
A2+FL	24790.33	17945.68	15533.89	12391.65	22231.04	20407.05	42503.10	30807.80	18127.16	14413.67
B1	23281.21	15409.27	12710.19	7867.22	10413.03	13973.58	38743.53	27477.47	11909.77	9947.51
B2	33003.73	22528.82	19161.62	11258.58	14500.68	18441.37	50153.96	38058.99	18468.25	15043.93
C1	26549.93	18826.93	16612.19	13033.54	23451.83	21876.34	45612.42	32789.04	19902.71	16045.04
C2	36272.45	25946.48	23063.61	16424.90	27539.49	26344.13	57022.85	43460.55	26461.18	21141.46
C2*	36812.00	26176.07	23063.61	16424.90	27539.49	26344.13	57022.85	43460.55	26461.18	21141.46
Yield per hectare (Quintals)	37.46	34.28	23.83	12.37	18.36	19.42	60.42	49.44	17.49	18.51
Value of the main-product per hectare (Rs)	42233.25	31062.45	22560.97	10550.45	18552.86	17088.77	68832.02	56041.63	16536.79	18255.59
Value of the by-product per hectare (Rs)	3087.59	2682.21	3244.74	3015.00	5968.18	8543.89	1950.53	2865.56	3424.52	3276.19
Implicit price (Rs./qtl)	1127.42	906.14	946.75	852.91	1010.50	879.96	1139.23	1133.53	945.50	986.26
Cost of production per quintal (Rs)										
A1	549.12	392.15	423.14	469.26	387.86	413.09	571.21	483.54	533.05	379.46
A2	549.12	392.15	423.14	469.26	387.86	423.26	572.56	490.57	533.05	381.08
A2+FL	616.70	481.89	569.90	779.11	916.13	700.56	684.08	592.82	858.62	660.21
B1	594.67	414.16	459.16	507.51	440.33	479.01	623.60	533.07	615.67	461.84
B2	820.21	600.97	691.64	712.21	607.58	623.84	808.01	731.13	905.21	690.46
C1	675.79	505.27	601.95	839.74	970.33	757.63	731.83	641.05	967.39	737.73
C2	901.33	692.08	834.43	1044.43	1137.58	902.46	916.23	839.12	1256.93	966.35
C2*	914.77	698.20	834.43	1044.43	1137.58	902.46	916.23	839.12	1256.93	966.35
C3	1006.25	768.02	917.87	1148.87	1251.34	992.71	1007.85	923.03	1382.62	1062.99
Material and labour inputs per hectare										
ITEM UNIT										
Seeds (kgs.)	17.33	15.89	18.71	19.94	31.92	31.73	19.16	20.37	17.73	20.80
Fertilisers (kgs. of Nutrients)	198.59	121.36	66.84	40.73	89.99	105.73	231.80	232.20	64.34	79.88
Manure (Quintals)	11.86	6.08	4.19	5.27	4.32	26.52	37.30	28.07	0.00	2.75
Human Labour (Man Hours)	599.95	596.56	373.42	411.56	731.01	669.16	644.93	621.91	607.46	583.00
Animal Labour (Pair Hours)	54.37	67.88	57.50	70.58	31.22	34.39	0.35	1.98	16.48	8.53

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.

Table - 4.8 (12)

## Maize : Break-up of Cost of Cultivation per Hectare (In Rs.)

Cost Items	Andhra Pradesh		Bihar		Chhattisgarh		Gujarat		Himachal Pradesh	
	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
<b>Operational Cost</b>	<b>27276.22</b>	<b>29285.75</b>	<b>20108.05</b>	<b>16753.12</b>	<b>8085.50</b>	<b>9253.42</b>	<b>22057.16</b>	<b>17354.85</b>	<b>14105.70</b>	<b>11902.50</b>
Human Labour										
Casual	9458.43	8982.30	4939.97	3030.18	326.09	446.51	6320.82	3039.36	525.28	163.65
Attached	694.36	706.12	24.72	1.27	0.00	0.00	489.39	8.69	18.44	11.75
Family	3818.57	5514.93	4201.52	2287.14	6435.94	7183.26	4221.12	2859.58	7426.16	6242.12
Total	13971.36	15203.35	9166.21	5318.59	6762.03	7629.77	11031.33	5907.63	7969.88	6417.52
Bullock Labour										
Hired	402.30	551.36	11.35	55.77	0.00	0.00	300.82	102.77	635.19	158.78
Owned	936.74	1062.33	24.93	70.29	636.52	1200.92	2045.34	1469.57	144.29	292.39
Total	1339.04	1613.69	36.28	126.06	636.52	1200.92	2346.16	1572.34	779.48	451.17
Machine Labour										
Hired	3080.13	3059.97	2352.93	1978.66	0.00	0.00	2017.85	3271.00	1330.43	1665.19
Owned	81.51	125.96	39.67	13.26	0.00	0.00	564.02	49.15	7.03	22.07
Total	3161.64	3185.93	2392.60	1991.92	0.00	0.00	2581.87	3320.15	1337.46	1687.26
Seed	2453.02	2550.54	2286.33	2441.97	636.96	360.00	1468.69	1193.90	759.36	881.32
Fertilisers and Manure										
Fertilisers	4022.48	3243.97	2736.84	2516.08	0.00	0.00	2251.38	1876.65	572.61	565.21
Manure	488.11	329.79	458.34	86.52	0.00	0.00	1210.67	2072.40	2322.26	1604.26
Total	4510.59	3573.76	3195.18	2602.60	0.00	0.00	3462.05	3949.05	2894.87	2169.47
Insecticides	648.92	490.51	90.73	5.24	0.00	0.00	6.43	12.47	79.89	107.56
Irrigation charges	463.22	1947.36	2458.70	3828.38	0.00	0.00	620.14	960.06	82.35	16.68
Interest on working capital	710.84	720.33	482.02	438.36	49.99	62.73	540.49	439.25	202.41	171.52
Miscellaneous	17.59	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Fixed Cost</b>	<b>16761.92</b>	<b>16942.75</b>	<b>7532.94</b>	<b>6498.16</b>	<b>3545.79</b>	<b>2601.06</b>	<b>4603.42</b>	<b>5194.72</b>	<b>6842.39</b>	<b>6025.11</b>
Rental value of owned land	14614.79	13832.02	5909.92	5973.37	3131.52	2306.98	2796.26	4201.71	4183.60	3885.83
Rent paid for leased-in land	523.27	1393.63	0.00	0.00	0.00	0.00	0.00	0.00	30.85	4.29
Land revenue, cesses & taxes	0.35	3.03	27.44	30.55	10.95	4.26	10.13	6.86	7.08	12.09
Depreciation on implements & Farm buildings	175.68	397.65	216.87	127.84	104.14	103.03	209.51	131.17	521.53	337.94
Interest on fixed capital	1447.83	1316.42	1378.71	366.40	299.18	186.79	1587.52	854.98	2099.33	1784.96
<b>Total Cost</b>	<b>44038.14</b>	<b>46228.50</b>	<b>27640.99</b>	<b>23251.28</b>	<b>11631.29</b>	<b>11854.48</b>	<b>26660.58</b>	<b>22549.57</b>	<b>20948.09</b>	<b>17927.61</b>
Operational Cost (based on new methodology)	27290.07	29285.75	20108.05	17668.81	8610.21	9935.00	22127.50	18241.35	15246.29	11902.50
Human Labour (based on new methodology)	13985.21	15203.35	9166.21	6234.28	7286.74	8311.35	11101.67	6794.13	9110.47	6417.52
Total Cost (based on new methodology)	44051.99	46228.50	27640.99	24166.97	12156.00	12536.06	26730.92	23436.07	22088.68	17927.61

(Contd..)

Table - 4.8 (12) Concluded

## Maize : Break-up of Cost of Cultivation per Hectare (In Rs.)

Cost Items	Karnataka		Madhya Pradesh		Rajasthan		Tamil Nadu		Uttar Pradesh	
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	12	13	14	15	16	17	18	19	20	21
<b>Operational Cost</b>	<b>24540.51</b>	<b>17642.39</b>	<b>15090.87</b>	<b>11970.57</b>	<b>21848.38</b>	<b>19501.55</b>	<b>42064.47</b>	<b>30231.77</b>	<b>17581.89</b>	<b>13951.16</b>
Human Labour										
Casual	7193.73	5131.11	2690.82	1955.15	1202.94	1440.42	14147.67	9732.61	3217.42	1940.37
Attached	55.08	128.28	356.04	123.18	199.04	477.06	127.13	136.79	0.00	70.16
Family	3268.72	3417.66	3902.00	5166.32	13038.80	7902.76	6868.89	5401.56	7992.94	6097.53
Total	10517.53	8677.05	6948.86	7244.65	14440.78	9820.24	21143.69	15270.96	11210.36	8108.06
Bullock Labour										
Hired	1013.75	923.40	411.19	242.86	807.41	415.15	17.13	99.13	195.52	36.77
Owned	1056.31	1343.54	2074.54	1531.88	897.01	696.48	2.76	8.19	1402.00	610.09
Total	2070.06	2266.94	2485.73	1774.74	1704.42	1111.63	19.89	107.32	1597.52	646.86
Machine Labour										
Hired	3943.78	2087.91	1628.47	800.88	2682.42	2626.79	5197.34	4628.03	1970.30	2174.04
Owned	273.31	115.85	231.67	10.79	106.45	64.51	78.73	141.98	31.20	269.34
Total	4217.09	2203.76	1860.14	811.67	2788.87	2691.30	5276.07	4770.01	2001.50	2443.38
Seed	2155.61	1696.31	1869.35	705.76	792.97	2377.40	3407.07	3226.69	625.30	655.28
Fertilisers and Manure										
Fertilisers	3575.95	1906.41	1118.19	626.49	1584.20	1501.54	4554.24	3184.42	1177.62	1099.06
Manure	1122.51	279.98	363.16	527.18	261.06	1574.25	4107.94	1468.29	0.00	111.12
Total	4698.46	2186.39	1481.35	1153.67	1845.26	3075.79	8662.18	4652.71	1177.62	1210.18
Insecticides	23.84	50.92	106.38	73.89	3.39	20.20	930.65	383.42	0.00	6.12
Irrigation charges	213.32	129.97	0.00	0.00	5.73	53.51	1558.39	1068.23	679.02	643.29
Interest on working capital	644.60	431.05	339.06	206.19	266.96	351.48	1066.53	752.43	290.57	237.99
Miscellaneous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Fixed Cost</b>	<b>11731.94</b>	<b>8304.09</b>	<b>7972.74</b>	<b>4454.33</b>	<b>5691.11</b>	<b>6842.58</b>	<b>14958.38</b>	<b>13228.78</b>	<b>8879.29</b>	<b>7190.30</b>
Rental value of owned land	9722.52	7119.55	6451.43	3391.36	4087.66	4082.81	11308.51	10252.02	6558.47	5054.93
Rent paid for leased-in land	0.00	0.00	0.00	0.00	0.00	384.97	101.92	329.49	0.00	41.50
Land revenue, cesses & taxes	10.55	9.02	5.50	4.24	11.56	9.06	5.67	10.93	7.59	7.14
Depreciation on implements & Farm buildings	239.27	294.27	437.51	416.84	371.10	511.48	331.04	235.61	537.68	413.86
Interest on fixed capital	1759.60	881.25	1078.30	641.89	1220.79	1854.26	3211.24	2400.73	1775.55	1672.87
<b>Total Cost</b>	<b>36272.45</b>	<b>25946.48</b>	<b>23063.61</b>	<b>16424.90</b>	<b>27539.49</b>	<b>26344.13</b>	<b>57022.85</b>	<b>43460.55</b>	<b>26461.18</b>	<b>21141.46</b>
Operational Cost (based on new methodology)	25080.06	18171.98	15090.87	11970.57	21848.38	19501.55	42064.47	30231.77	17581.89	13951.16
Human Labour (based on new methodology)	11057.08	9206.64	6948.86	7244.65	14440.78	9820.24	21143.69	15270.96	11210.36	8108.06
Total Cost (based on new methodology)	36812.00	26176.07	23063.61	16424.90	27539.49	26344.13	57022.85	43460.55	26461.18	21141.46

Table - 4.8 (13)

**Ragi : Estimates of Cost of Cultivation/Production and related data**

	Andhra Pradesh		Karnataka		Maharashtra		Tamil Nadu		Uttarakhand	
	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
Cost of Cultivation per hectare(Rs)										
A1	16573.50	16623.90	20611.14	16852.48	10954.50	19315.07	11716.11	11010.69	19080.60	11010.69
A2	16573.50	16623.90	20611.14	16852.48	10954.50	19315.07	11716.11	11010.69	19080.60	11010.69
A2+FL	27203.51	31631.74	27046.88	22511.61	19647.60	27525.15	17866.13	18167.16	38804.43	18167.16
B1	16875.97	17010.51	22519.31	19279.17	13292.11	22589.44	13293.52	11867.90	19350.01	11867.90
B2	24935.97	29674.93	26720.91	23482.66	17028.33	26539.65	17075.56	15651.54	25284.94	15651.54
C1	27505.99	32018.35	28955.06	24938.30	21985.21	30799.52	19443.54	19024.37	39073.85	19024.37
C2	35565.99	44682.76	33156.65	29141.79	25721.43	34749.73	23225.58	22808.01	45008.78	22808.01
C2*	35565.99	44682.76	34876.68	29141.79	25721.43	35589.57	23256.61	22808.01	45008.78	22808.01
Yield per hectare (Quintals)	14.54	27.26	15.59	15.63	21.55	21.07	12.00	20.24	24.19	20.24
Value of the main-product per hectare (Rs)	25833.33	41381.37	16328.32	14297.89	21550.83	21306.18	16738.28	24144.75	24191.85	24144.75
Value of the by-product per hectare (Rs)	1033.33	833.33	3639.46	4717.62	862.03	2390.35	709.50	1971.65	2419.19	1971.65
Implicit price(Rs./qtl)	1776.71	1518.03	1047.36	914.77	1000.04	1011.21	1394.86	1192.92	1000.08	1192.92
Cost of production per quintal (Rs)										
A1	1049.74	597.90	1086.19	817.63	488.76	871.88	934.19	501.37	717.02	501.37
A2	1049.74	597.90	1086.19	817.63	488.76	871.88	934.19	501.37	717.02	501.37
A2+FL	1798.98	1137.47	1418.67	1082.96	488.76	1174.59	1428.30	829.82	1458.32	829.82
B1	1070.41	611.80	1191.19	942.93	593.06	1012.69	1065.17	540.16	727.14	540.16
B2	1601.66	1067.29	1406.50	1141.71	759.76	1198.32	1362.94	712.34	950.17	712.34
C1	1820.23	1151.57	1524.12	1125.44	980.92	1298.50	1559.07	866.11	1468.33	866.11
C2	2351.48	1607.06	1739.42	1424.23	1147.62	1484.12	1856.84	1038.30	1691.36	1038.30
C2*	2351.48	1607.06	1829.66	1424.23	1147.62	1519.80	1867.17	1038.30	1691.36	1038.30
C3	2586.63	1767.77	2012.62	1566.65	1262.38	1671.78	2053.89	1142.13	1860.50	1142.13
Material and labour inputs per hectare										
ITEM										
Seed (Qtl.)	10.00	16.00	21.96	20.04	3.87	24.24	9.38	9.68	10.73	9.68
Fertiliser (kgs. of Nutrients)	5.79	99.78	100.25	97.90	0.00	38.89	80.37	39.93	0.00	39.93
Manure (Quintals)	1.00	0.00	4.51	15.34	2.90	3.86	0.15	0.00	35.04	0.00
Human Labour (Man Hours)	918.44	1228.38	744.56	734.80	942.43	1179.42	454.42	587.28	1015.53	587.28
Animal Labour (Pair Hours)	55.33	124.03	109.91	104.53	73.21	100.70	2.42	0.49	230.66	0.49

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.

Table - 4.8 (14)

**Ragi : Break-up of Cost of Cultivation per Hectare (In Rs.)**

Cost Items	Andhra Pradesh		Karnataka		Maharashtra		Tamil Nadu		Uttarakhand	
	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
<b>Operational Cost</b>	<b>27080.17</b>	<b>31364.91</b>	<b>26648.00</b>	<b>22185.28</b>	<b>19230.19</b>	<b>26359.10</b>	<b>17714.40</b>	<b>17651.71</b>	<b>38069.70</b>	<b>17651.71</b>
Human Labour										
Casual	9776.67	9565.72	10130.83	7766.86	5200.14	10225.75	7019.82	7546.15	5763.80	7546.15
Attached	0.00	0.00	118.92	0.00	1414.46	927.79	0.00	21.52	0.00	21.52
Family	10630.01	15007.84	6435.74	5659.13	8693.10	8210.08	6150.02	7156.47	19723.83	7156.47
Total	20406.68	24573.56	16685.49	13425.99	15307.70	19363.62	13169.84	14724.14	25487.63	14724.14
Bullock Labour										
Hired	1766.67	199.46	593.37	1401.11	0.00	2323.92	79.61	0.00	9226.51	0.00
Owned	0.00	4021.20	3224.22	1921.92	3274.69	1343.02	12.69	16.46	0.00	16.46
Total	1766.67	4220.66	3817.59	3323.03	3274.69	3666.94	92.30	16.46	9226.51	16.46
Machine Labour										
Hired	2916.67	149.60	2399.49	638.43	0.00	51.44	1896.98	1493.34	0.00	1493.34
Owned	0.00	0.00	30.19	864.74	0.00	0.00	0.00	0.00	0.00	0.00
Total	2916.67	149.60	2429.68	1503.17	0.00	51.44	1896.98	1493.34	0.00	1493.34
Seed	263.33	424.98	275.56	240.43	38.70	289.91	540.32	359.83	235.72	359.83
Fertilisers and Manure										
Fertilisers	156.00	1500.44	2007.81	1578.06	0.00	483.42	1098.57	614.25	0.00	614.25
Manure	61.67	0.00	480.64	1177.18	289.79	308.64	9.06	0.00	2563.90	0.00
Total	217.67	1500.44	2488.45	2755.24	289.79	792.06	1107.63	614.25	2563.90	614.25
Insecticides	53.33	0.00	3.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Irrigation charges	957.33	0.00	335.22	436.63	0.00	0.00	556.89	125.65	0.00	125.65
Interest on working capital	498.49	495.67	612.49	500.79	319.31	1645.15	350.44	318.04	555.94	318.04
Miscellaneous	0.00	0.00	0.00	0.00	0.00	549.98	0.00	0.00	0.00	0.00
<b>Fixed Cost</b>	<b>8485.82</b>	<b>13317.85</b>	<b>6508.65</b>	<b>6956.51</b>	<b>6491.24</b>	<b>8390.63</b>	<b>5511.18</b>	<b>5156.30</b>	<b>6939.07</b>	<b>5156.30</b>
Rental value of owned land	8060.00	12664.41	4201.60	4203.49	3736.22	3950.21	3782.04	3783.64	5934.93	3783.64
Rent paid for leased-in land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land revenue, cesses & tax	3.00	0.00	15.30	22.30	34.52	21.25	8.05	4.91	0.00	4.91
Depreciation on implements & Farm buildings	120.35	266.83	383.58	304.02	382.90	1144.81	143.68	510.54	734.74	510.54
Interest on fixed capital	302.47	386.61	1908.17	2426.70	2337.60	3274.36	1577.41	857.21	269.40	857.21
<b>Total Cost</b>	<b>35565.99</b>	<b>44682.76</b>	<b>33156.65</b>	<b>29141.79</b>	<b>25721.43</b>	<b>34749.73</b>	<b>23225.58</b>	<b>22808.01</b>	<b>45008.77</b>	<b>22808.01</b>
Operational Cost (based on new methodology)	27080.17	31364.91	28368.03	22185.28	19230.19	27198.94	17745.43	17651.71	38069.70	17651.71
Human Labour (based on new methodology)	20406.68	24573.56	18405.52	13425.99	15307.70	20203.46	13200.87	14724.14	25487.63	14724.14

Total Cost (based on  
new methodology)

35565.99 44682.76 34876.68 29141.79 25721.43 35589.57 23256.61 22808.01 45008.78 22808.01

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Table - 4.8 (15)

## Tur (Arhar) : Estimates of Cost of Cultivation/Production and related data

	Andhra Pradesh		Bihar		Gujarat		Karnataka		Madhya Pradesh		Maharashtra		Orissa		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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Cost of Cultivation per hectare(Rs)																
A1	17124.32	14577.58	3758.43	7976.45	15989.53	14178.63	13278.84	13636.85	8158.92	9165.12	24835.41	27049.97	4825.85	5783.49	8135.54	7728.92
A2	17124.32	14667.28	3758.43	7976.45	15989.53	14563.47	13278.84	12636.85	8158.92	9165.12	24870.01	27107.20	5320.24	5783.49	8135.54	7783.91
A2+FL	20210.01	16551.29	4210.79	9409.77	20850.78	16794.13	16067.60	15502.48	11185.71	12335.25	32482.97	32977.66	10553.82	9514.64	16492.08	11998.49
B1	18840.41	15767.19	4474.08	8825.84	17575.57	14905.87	14711.40	13524.69	10416.68	10632.38	30070.60	31070.36	5859.45	6679.08	11567.24	10532.08
B2	30353.66	22910.16	10627.92	17858.78	22919.43	21418.52	23263.73	19780.39	16966.57	15960.95	38832.07	38779.93	9935.64	12008.77	21997.79	20466.84
C1	21926.09	17651.21	4926.43	10259.15	22436.82	17136.53	17500.16	16390.33	13443.48	13802.50	37683.56	36940.82	11093.03	10410.23	19923.79	14746.65
C2	33439.35	24794.18	11080.28	19292.10	27780.68	23649.18	26052.49	22646.03	19993.36	19131.08	46445.03	44650.40	15169.22	15739.92	30354.34	24681.41
C2*	33990.78	24794.18	11226.95	20038.64	27900.38	25047.85	26193.61	22646.03	19993.36	19141.49	46445.03	44650.40	15169.22	15739.92	30542.55	24836.04
Yield per hectare (Quintals)	9.59	5.45	5.50	10.64	8.14	10.93	9.55	7.31	7.65	6.08	14.15	11.74	3.61	4.75	9.14	7.63
Value of the main-product per hectare (Rs)	34673.09	22695.35	16500.00	36787.11	29272.88	34992.98	34951.04	27766.41	24307.52	19909.42	50191.55	44671.04	15234.79	20800.17	30418.98	28927.97
Value of the by-product per hectare (Rs)	3704.43	1040.65	2400.00	2482.21	2783.81	2231.00	1120.56	640.65	1892.01	1411.89	2308.30	1827.04	604.78	518.60	3790.88	3824.37
Implicit price (Rs./qtl)	3615.55	4164.28	3000.00	3457.44	3596.18	3201.55	3659.79	3798.41	3177.45	3274.58	3547.11	3805.03	4220.16	4378.98	3328.12	3791.35
Cost of production per quintal (Rs)																
A1	1636.23	2843.30	596.58	702.30	1782.43	1246.29	1372.07	1735.46	1016.53	1447.26	1694.13	2220.39	1221.36	1224.12	808.37	878.02
A2	1636.23	2850.19	596.58	702.30	1782.43	1269.24	1372.07	1735.46	1016.53	1447.26	1696.42	2225.44	1393.01	1224.12	808.37	883.75
A2+FL	1903.99	2903.79	668.38	828.48	2339.08	1444.43	1630.21	2072.89	1356.59	1894.48	2194.68	2698.63	2811.87	1954.36	1604.44	1388.92
B1	1835.37	3050.70	710.17	801.87	1949.59	1314.20	1518.26	1836.09	1315.92	1647.63	2044.81	2555.41	1504.45	1408.16	1141.47	1209.46
B2	2861.84	4027.31	1686.97	1572.24	2501.74	1816.21	2352.76	2633.29	2060.77	2467.35	2624.57	3177.38	2544.45	2488.77	2140.19	2351.94
C1	2158.02	3382.72	781.97	930.85	2543.64	1531.23	1808.09	2228.98	1681.56	2112.61	2558.99	3035.11	2989.58	2150.53	1946.61	1702.33
C2	3184.50	4359.32	1758.77	1701.22	3095.78	2033.24	2642.58	3026.18	2426.42	2932.33	3138.74	3657.08	4029.58	3231.14	2945.32	2844.81
C2*	3237.99	4359.32	1782.06	1766.25	3109.89	2152.72	2657.69	3026.18	2426.42	2936.25	3138.74	3657.08	4029.58	3231.14	2963.76	2862.95
C3	3561.79	4795.25	1960.26	1942.87	3420.88	2368.00	2923.46	3328.80	2669.06	3229.88	3452.61	4022.79	4432.54	3554.25	3260.13	3149.25
Material and labour inputs per hectare																
ITEM (UNIT)																
Seeds (kgs.)	12.47	20.92	28.00	22.03	15.46	9.78	13.90	11.98	20.02	20.44	18.52	18.20	20.95	23.51	15.53	14.35
Fertilisers (kgs. of Nutrients)	100.63	175.04	0.00	2.23	90.36	78.66	61.06	93.18	26.76	37.99	92.38	142.04	0.58	0.00	3.95	3.64
Manure (Quintals)	4.90	3.65	0.00	0.00	13.06	66.62	1.95	0.86	0.69	2.60	3.06	11.13	0.00	3.11	0.00	0.00
Human Labour (Man Hours)	387.87	376.94	167.33	427.18	717.79	621.30	402.88	429.85	336.89	381.04	899.88	942.73	470.62	480.19	623.56	512.48
Animal Labour (Pair Hours)	30.81	31.16	0.00	17.43	77.38	34.87	40.39	37.40	11.90	19.90	103.66	113.10	127.62	126.59	7.34	8.39

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

Table - 4.8 (16)

## Tur (Arhar) : Break- up of Cost of Cultivation per Hectare (In Rs.)

Cost Items	Andhra Pradesh		Bihar		Gujarat		Karnataka		Madhya Pradesh		Maharashtra		Orissa		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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>Operational Cost</b>	<b>19680.97</b>	<b>16061.37</b>	<b>4175.17</b>	<b>8920.97</b>	<b>20502.10</b>	<b>16178.02</b>	<b>15784.09</b>	<b>15182.65</b>	<b>10598.48</b>	<b>11686.12</b>	<b>31451.54</b>	<b>31657.91</b>	<b>9504.98</b>	<b>8970.75</b>	<b>15527.56</b>	<b>11149.37</b>
Human Labour																
Casual	6990.68	5533.42	1680.00	3638.33	3893.34	3971.30	4495.20	4321.75	2420.51	2539.31	7434.76	8341.92	1279.92	1603.79	2517.20	2936.95
Attached	248.07	855.42	0.00	0.00	98.09	165.62	0.00	29.54	24.24	243.43	939.44	866.35	113.00	343.32	0.00	222.17
Family	3085.69	1884.01	452.36	1433.32	4861.25	2230.66	2788.76	2865.63	3026.79	3170.13	7612.96	5870.46	5233.58	3731.15	8356.54	4214.58
Total	10324.44	8272.85	2132.36	5071.65	8852.68	6367.58	7283.96	7216.92	5471.54	5952.87	15987.16	15078.73	6626.50	5678.26	10873.74	7373.70
Bullock Labour																
Hired	250.79	431.32	0.00	18.94	1252.74	505.56	439.85	842.19	28.31	127.02	899.55	1215.26	85.66	105.67	89.90	39.71
Owned	1061.24	692.37	0.00	666.70	2831.44	1132.11	1204.84	576.55	374.75	722.19	5124.29	4759.68	1726.06	1747.99	440.28	474.98
Total	1312.03	1123.69	0.00	685.64	4084.18	1637.67	1644.69	1418.74	403.06	849.21	6023.84	5974.94	1811.72	1853.66	530.18	514.69
Machine Labour																
Hired	1573.01	1388.58	0.00	1709.76	1744.28	2474.85	1913.50	2066.18	1842.18	1725.04	2787.37	2449.48	14.47	54.32	1840.34	1672.26
Owned	55.07	50.20	250.00	0.00	61.34	38.86	56.27	34.01	158.14	84.22	204.81	131.38	7.20	0.00	190.88	227.94
Total	1628.08	1438.78	250.00	1709.76	1805.62	2513.71	1969.77	2100.19	2000.32	1809.26	2992.18	2580.86	21.67	54.32	2031.22	1900.20
Seed	1144.77	676.74	1680.00	996.54	1361.05	1048.11	698.74	823.13	870.41	1279.15	1248.64	1377.34	897.16	1070.01	990.90	839.94
Fertilisers and Manure																
Fertilisers	2428.43	2624.76	0.00	48.89	1472.89	1123.25	1286.35	1526.96	551.00	629.69	2001.24	2401.12	18.50	0.00	74.04	44.93
Manure	468.76	235.48	0.00	0.00	510.93	1805.53	246.05	75.31	49.35	198.10	405.15	910.11	0.00	155.72	0.00	0.00
Total	2897.19	2860.24	0.00	48.89	1983.82	2928.78	1532.40	1602.27	600.35	827.79	2406.39	3311.23	18.50	155.72	74.04	44.93
Insecticides	1697.65	1258.18	0.00	0.00	981.09	271.23	2210.50	1621.72	955.08	675.85	1578.08	2260.68	0.00	0.00	0.00	0.00
Irrigation charges	112.99	0.31	0.00	181.59	959.70	988.30	50.23	26.44	68.28	29.18	467.93	269.45	0.00	0.00	810.18	265.76
Interest on working capital	502.89	429.62	112.81	226.90	473.96	422.64	393.80	373.24	229.44	258.06	722.38	781.44	129.43	158.78	217.30	210.15
Miscellaneous	60.93	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.75	24.94	23.24	0.00	0.00	0.00	0.00
<b>Fixed Cost</b>	<b>13758.38</b>	<b>8732.81</b>	<b>6905.11</b>	<b>10371.13</b>	<b>7278.58</b>	<b>7471.16</b>	<b>10268.40</b>	<b>7463.38</b>	<b>9394.88</b>	<b>7444.96</b>	<b>14993.49</b>	<b>12992.49</b>	<b>5664.24</b>	<b>6769.17</b>	<b>14826.78</b>	<b>13532.04</b>
Rental value of owned land	11513.25	7053.27	6153.85	9032.94	5343.85	6127.81	8552.33	6255.70	6549.88	5328.58	8726.88	7652.36	3581.81	5329.69	10430.55	9879.76
Rent paid for leased-in land	0.00	89.71	0.00	0.00	0.00	384.84	0.00	0.00	0.00	0.00	34.60	57.22	494.38	0.00	0.00	55.00
Land revenue, cesses & taxes	1.20	3.40	30.77	35.05	25.99	29.51	9.68	9.83	7.99	8.14	49.05	62.37	11.13	10.93	10.63	27.40
Depreciation on implements & Farm buildings	527.85	396.81	4.85	453.75	322.70	201.75	273.83	310.00	579.25	640.98	947.78	1200.16	543.33	532.97	953.90	766.72
Interest on fixed capital	1716.08	1189.62	715.64	849.39	1586.04	727.25	1432.56	887.85	2257.76	1467.26	5235.18	4020.38	1033.59	895.58	3431.70	2803.16
<b>Total Cost</b>	<b>33439.35</b>	<b>24794.18</b>	<b>11080.28</b>	<b>19292.10</b>	<b>27780.68</b>	<b>23649.18</b>	<b>26052.49</b>	<b>22646.03</b>	<b>19993.36</b>	<b>19131.08</b>	<b>46445.03</b>	<b>44650.40</b>	<b>15169.22</b>	<b>15739.92</b>	<b>30354.34</b>	<b>24681.41</b>
Operational Cost (based on new methodology)	20232.40	16061.37	4321.84	9667.51	20621.80	17576.69	15925.21	15182.65	10598.48	11696.53	31451.54	31657.91	9504.98	8970.75	15715.77	11304.00
Human Labour (based on new methodology)	10875.87	8272.85	2279.03	5818.19	8972.38	7766.25	7425.08	7216.92	5471.54	5963.28	15987.16	15078.73	6626.50	5678.26	11061.95	4528.33
Total Cost (based on new methodology)	33990.78	24794.18	11226.95	20038.64	27900.38	25047.85	26193.61	22646.03	19993.36	19141.49	46445.03	44650.40	15169.22	15739.92	30542.55	24836.04

Table - 4.8 (17)

## Moong : Estimates of Cost of Cultivation/Production and related data

	Andhra Pradesh		Karnataka		Maharashtra		Orissa		Rajasthan		Tamil Nadu
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12
1	2	3	4	5	6	7	8	9	10	11	12
Cost of Cultivation per hectare(Rs)											
A1	8446.61	5540.74	8235.63	6907.58	15514.77	16271.03	8498.03	4534.36	8498.03	4817.42	10348.35
A2	8446.61	5540.74	8235.63	6907.58	15546.96	16293.64	8727.37	4583.15	8727.37	6163.37	10417.16
A2+FL	10692.69	7906.38	9914.17	8635.72	20853.94	19206.96	9285.83	7686.21	13622.11	10761.18	12475.91
B1	8753.15	7906.38	8995.00	7428.64	17358.09	17786.91	9526.30	5079.67	9526.30	5559.81	10780.18
B2	18423.78	10421.95	12329.25	9847.21	20701.27	21611.31	12349.06	8456.98	12349.06	9749.66	14405.88
C1	10999.24	8061.62	10673.55	9156.78	22665.07	20700.23	14421.04	8182.73	14421.04	10157.62	12838.93
C2	20669.87	12787.60	14007.79	11575.35	26008.25	24524.63	17243.80	11560.04	17243.80	14347.47	16464.64
C2*	20727.62	12787.60	14114.53	11590.78	26008.25	24524.63	17851.75	11794.54	17851.75	14458.74	16580.71
Yield per hectare (Quintals)	7.22	4.15	3.30	2.83	5.05	6.44	4.41	2.99	4.41	4.92	4.58
Value of the main-product per hectare (Rs)	32168.83	15487.79	14652.02	10851.42	19573.15	22544.87	15134.49	13031.21	15134.49	19377.17	18032.34
Value of the by-product per hectare (Rs)	66.60	265.47	438.10	396.57	314.86	283.99	1152.78	382.29	1152.78	1736.35	222.78
Implicit price (Rs./qtl)	4455.52	3732.00	4440.01	3834.42	3875.87	3500.76	3431.86	4358.26	3431.86	3938.45	3937.19
Cost of production per quintal (Rs)											
A1	1451.73	1348.30	2488.33	2380.33	3041.34	2524.62	1826.57	1477.57	1826.57	1057.27	2157.25
A2	1451.73	1348.30	2488.33	2380.33	3047.66	2527.97	1826.57	1492.83	1826.57	1170.53	2182.15
A2+FL	1477.92	1873.05	2917.07	2943.90	4064.12	2945.35	2782.24	2497.37	2870.29	2007.36	2690.75
B1	1508.90	1391.05	2712.36	2547.72	3405.27	2749.76	2060.52	1647.34	2060.52	1191.02	2263.61
B2	2511.02	2424.72	3605.09	3345.89	4036.98	3324.02	2598.72	2736.23	2598.72	1841.66	3145.48
C1	1853.69	1995.96	3208.98	3148.26	4440.38	3187.75	3060.01	2669.10	3060.01	2028.22	2662.89
C2	2855.81	3029.63	4101.71	3946.43	5072.10	3762.02	3598.21	3758.00	3598.21	2678.85	3544.77
C2*	2862.84	3029.63	4132.81	3947.72	5072.10	3762.02	3724.63	3834.26	3724.63	2701.74	3570.24
C3	3149.12	3332.59	4546.09	4342.49	5579.31	4138.22	4097.09	4217.68	4097.09	2971.91	3927.26
Material and labour inputs per hectare											
ITEM (Unit)											
Seeds (kgs.)	23.22	20.06	13.79	12.01	16.64	16.56	14.88	29.87	14.88	13.49	21.40
Fertilisers (kgs. of Nutrients)	16.70	11.93	40.93	25.93	51.03	87.36	18.57	0.12	18.57	8.26	34.29
Manure (Quintals)	0.00	12.61	0.47	1.79	3.56	11.67	2.23	0.08	2.23	5.84	6.15
Human Labour (Man Hours)	254.11	169.03	319.67	288.94	493.93	496.64	308.73	318.03	308.73	285.51	225.68
Animal Labour (Pair Hours)	12.99	2.69	26.13	35.48	76.36	56.28	3.15	93.95	3.15	2.78	0.16

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 C2\* on account of managerial functions performed by farmer

Source : Directorate of Economics & Statistics, Ministry of Agriculture

Table - 4.8 (18)

**Moong : Break-up of Cost of Cultivation per Hectare (In Rs.)**

Cost Items	Andhra Pradesh		Karnataka		Maharashtra		Orissa		Rajasthan	
	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
<b>Operational Cost</b>	<b>10498.12</b>	<b>7756.05</b>	<b>9798.00</b>	<b>8488.24</b>	<b>20436.93</b>	<b>18770.66</b>	<b>8964.69</b>	<b>7414.92</b>	<b>13141.36</b>	<b>9179.11</b>
Human Labour										
Casual	3861.80	1365.69	3847.31	2734.94	3799.84	5129.36	1336.92	1111.16	3669.69	1064.20
Attached	65.15	22.81	0.00	0.00	391.78	209.46	73.74	70.49	9.25	59.69
Family	2246.08	2365.64	1678.54	1728.14	5306.98	2913.32	3849.02	3103.06	4894.74	4597.81
Total	6173.03	3754.14	5525.85	4463.08	9498.60	8252.14	5259.68	4284.71	8573.68	5721.70
Bullock Labour										
Hired	318.60	19.27	356.82	388.52	727.73	341.77	3.09	7.84	35.82	44.83
Owned	275.29	55.75	610.97	848.88	4105.21	2971.48	1642.77	1256.10	201.25	26.23
Total	593.89	75.02	967.79	1237.40	4832.94	3313.25	1645.86	1263.94	237.07	71.06
Machine Labour										
Hired	888.37	1723.76	821.15	691.88	2137.30	2053.65	339.74	104.83	1933.70	1567.48
Owned	126.52	15.51	303.62	302.13	78.82	163.82	3.06	8.53	66.19	40.33
Total	1014.89	1739.27	1124.77	994.01	2216.12	2217.47	342.80	113.36	1999.89	1607.81
Seed	1358.77	1431.44	1036.21	887.32	1421.58	1532.96	1414.37	1608.09	1425.90	1144.60
Fertilisers and Manure										
Fertilisers	308.77	182.32	805.60	422.42	1092.85	1558.83	80.43	1.57	332.47	134.32
Manure	0.00	379.03	46.99	166.32	567.67	1121.86	66.50	3.82	146.57	234.61
Total	308.77	561.35	852.59	588.74	1660.52	2680.69	146.93	5.39	479.04	368.93
Insecticides	780.60	31.35	14.46	112.84	266.24	268.49	0.03	8.76	169.14	98.87
Irrigation charges	17.49	0.00	30.29	0.00	82.45	25.13	0.00	0.00	6.74	7.53
Interest on working capital	250.06	163.35	246.04	204.85	458.48	480.53	155.02	130.67	249.90	138.83
Miscellaneous	0.62	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.78
<b>Fixed Cost</b>	<b>10171.75</b>	<b>5031.55</b>	<b>4209.79</b>	<b>3087.11</b>	<b>5571.32</b>	<b>5753.97</b>	<b>4387.94</b>	<b>4145.12</b>	<b>4102.44</b>	<b>5168.36</b>
Rental value of owned land	9670.63	4725.98	3334.24	2418.57	3311.00	3801.79	3256.52	3328.52	2593.42	2843.91
Rent paid for leased-in land	0.00	0.00	0.00	0.00	32.18	22.61	0.00	48.79	229.34	1345.94
Land revenue, cesses & taxes	0.00	2.02	4.23	5.19	16.57	30.24	17.06	8.47	3.26	1.50
Depreciation on implements & Farm buildings	194.57	148.32	111.94	142.29	368.26	383.45	304.09	214.03	248.15	234.63
Interest on fixed capital	306.55	155.23	759.38	521.06	1843.31	1515.88	810.27	545.31	1028.27	742.38
<b>Total Cost</b>	<b>20669.87</b>	<b>12787.60</b>	<b>14007.79</b>	<b>11575.35</b>	<b>26008.25</b>	<b>24524.63</b>	<b>13352.63</b>	<b>11560.04</b>	<b>17243.80</b>	<b>14347.47</b>
Operational Cost (based on new methodology)	10555.87	7756.05	9904.74	8503.67	20436.93	18770.66	9080.76	7649.42	13749.31	9290.38
Human Labour (based on new methodology)	6230.78	3754.14	5632.59	4478.51	9498.60	8252.14	5375.75	4519.21	9181.63	5832.97
Total Cost (based on new methodology)	20727.62	12787.60	14114.53	11590.78	26008.25	24524.63	17851.75	11794.54	17851.75	14458.74

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**Tamil Nadu**

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**2011-12**

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**12255.73**

5334.75  
1.06  
2058.75  
7394.56

0.00  
8.24  
8.24

1347.92  
23.07  
1370.99  
1316.52

844.87  
329.83  
1174.70  
565.04  
116.68  
309.00

**4208.91**

3556.89  
68.82  
4.55  
146.82

431.83

**16464.64**

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12371.80

7510.63

16580.71

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Table - 4.8 (19)

## Urad : Estimates of Cost of Cultivation/Production and related data

	Andhra Pradesh		Chhattisgarh		Madhya Pradesh		Maharashtra		Orissa		Rajasthan		Tamil Nadu		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	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Cost of Cultivation per hectare(Rs)																	
A1	18789.55	11278.09	3861.38	5530.90	9104.18	8122.42	16397.17	14303.60	5009.27	4675.85	6220.68	5466.80	12563.24	12214.24	6742.32	5446.70	
A2	18810.93	11978.31	3861.38	5530.90	9104.18	8122.42	16397.17	14362.14	5009.27	4675.85	6220.68	5466.80	12711.03	10344.76	6951.21	5569.07	
A2+FL	20139.15	12878.99	9618.98	7807.55	11902.37	12200.54	22983.23	16339.25	9184.45	8087.51	13985.87	11407.10	15403.01	12005.77	11292.61	9443.88	
B1	19263.07	11571.57	4304.09	5785.98	9681.58	8510.34	18284.93	15951.65	5728.26	5173.02	7996.85	6480.39	13755.77	11247.11	7946.84	6102.06	
B2	31979.45	19754.01	9533.14	10498.78	15551.14	15123.93	21530.45	20061.15	8627.05	9541.60	10842.90	10413.39	18990.37	15761.13	11604.39	10585.78	
C1	20591.29	12472.25	10061.68	8062.63	12479.77	12588.46	24870.99	17928.76	9903.44	8584.68	15762.04	12420.69	16447.74	12908.12	12288.24	9976.86	
C2	33307.67	20654.69	15290.73	12775.43	18349.33	19202.05	28116.51	22038.26	12802.24	12953.26	18608.08	16353.69	21682.35	17422.14	15945.79	14460.58	
C2*	33538.52	20736.28	15788.06	12950.80	18349.33	19202.05	28116.51	22512.47	13098.61	13294.95	18608.08	16353.69	21682.35	17422.14	15945.79	14460.58	
Yield per hectare (Quintals)	12.03	5.23	8.79	5.18	7.78	7.96	4.55	6.80	3.35	3.95	4.84	4.52	5.85	5.11	3.21	5.12	
Value of the main-product per hectare (Rs)	42219.13	26308.20	20193.74	17124.83	22441.13	25585.63	19139.88	24077.37	11101.88	16928.36	15569.31	21159.72	21944.70	23353.25	11222.82	18102.02	
Value of the by-product per hectare (Rs)	217.28	33.00	722.45	1726.38	1037.12	868.73	329.34	306.18	493.30	545.95	1503.55	2433.56	464.78	393.83	513.89	458.76	
Implicit price (Rs./qtl)	3509.49	5030.25	2297.35	3305.95	2884.46	3214.28	4206.57	3540.79	3313.99	4285.66	3216.80	4681.35	3751.23	4570.11	3496.21	3535.55	
Cost of production per quintal (Rs)																	
A1	1539.17	2065.55	423.91	969.62	1115.19	1011.34	3616.18	2040.66	1398.35	1154.45	1171.51	1010.85	2056.35	1887.15	1882.67	1052.11	
A2	1540.82	2165.83	423.91	969.62	1115.19	1011.34	3616.18	2048.91	1398.35	1154.45	1171.51	1010.85	2089.44	1908.82	1919.64	1069.85	
A2+FL	1665.51	2459.44	1056.51	1369.22	1462.29	1482.40	4965.81	2372.66	2624.99	1983.50	2635.16	2263.38	2578.38	2310.50	3363.91	1798.92	
B1	1582.35	2178.41	472.52	1014.33	1204.99	1063.83	3959.87	3269.60	1607.23	1279.19	1501.45	1192.66	2253.23	2097.62	2312.48	1172.73	
B2	2617.12	3540.38	1046.58	1840.53	1930.28	1848.80	4550.99	3596.56	2448.31	2325.28	1988.61	1813.68	3195.16	2993.01	3306.67	1975.84	
C1	1719.51	2578.84	1104.60	1413.45	1529.90	1548.80	5475.22	3269.60	2818.83	2127.54	296.68	2422.92	2684.52	2455.40	3735.87	1950.16	
C2	2754.28	3940.82	1678.67	2239.65	2255.19	2333.78	6066.34	3596.56	3659.91	3173.64	3483.83	3043.94	3626.45	3350.79	4730.07	2753.27	
C2*	2772.94	3958.64	1734.10	2271.19	2255.19	2333.78	6066.34	3269.60	3749.68	3259.15	3483.83	3043.94	3626.45	3350.79	4730.07	2753.27	
C3	3050.24	4354.50	1907.51	2498.31	2480.71	2567.16	6672.97	3596.56	4124.65	3585.07	3832.21	3348.33	3989.10	3685.87	5203.08	3028.60	
Material and labour inputs per hectare																	
ITEM	UNIT																
Seeds (kgs.)		44.87	32.38	24.30	25.42	24.74	24.74	15.24	16.05	34.28	33.75	20.85	26.93	23.60	24.96	17.09	17.59
Fertilisers (kgs. of Nutrients)		22.37	6.79	0.00	2.32	33.61	37.10	74.39	48.80	7.67	5.08	12.82	5.49	48.77	34.88	10.01	2.25
Manure (Quintals)		0.00	0.00	0.00	0.00	2.57	4.08	2.57	14.47	2.52	1.74	0.00	1.94	11.15	3.13	0.00	0.00
Human Labour (Man Hours)		334.24	202.80	432.43	224.94	293.60	336.70	514.61	498.92	353.89	366.75	446.64	373.83	269.64	277.93	374.54	267.39
Animal Labour (Pair Hours)		2.70	2.01	98.11	36.03	10.44	18.18	79.17	46.64	88.57	72.29	15.71	5.59	1.08	2.31	2.77	4.94

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.

Table - 4.8 (20)

## Urad : Break- up of Cost of Cultivation per Hectare (In Rs.)

Cost Items	Andhra Pradesh		Chhattisgarh		Madhya Pradesh		Maharashtra		Orissa		Rajasthan		Tamil Nadu		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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>Operational Cost</b>	<b>19951.38</b>	<b>11944.18</b>	<b>9428.77</b>	<b>7500.03</b>	<b>11721.16</b>	<b>12036.54</b>	<b>22603.83</b>	<b>15785.27</b>	<b>8881.87</b>	<b>7874.67</b>	<b>13637.29</b>	<b>11131.49</b>	<b>14930.09</b>	<b>11693.70</b>	<b>10659.43</b>	<b>9058.86</b>
Human Labour																
Casual	9305.19	4812.15	313.68	1054.79	2227.42	924.45	3569.17	4090.97	1098.35	1272.40	945.07	790.69	5481.41	4890.81	1688.89	1344.48
Attached	142.26	3.63	0.00	0.00	44.14	0.00	335.84	238.03	10.95	178.43	64.96	0.00	137.68	71.54	35.44	11.47
Family	1328.22	900.68	5757.60	2276.65	2798.19	4078.12	6586.06	1977.11	4175.18	3411.66	7765.19	5940.30	2691.98	1661.01	4341.40	3874.81
Total	10775.67	5716.46	6071.28	3331.44	5069.75	5002.57	10491.07	6306.11	5284.48	4862.49	8775.22	6730.99	8311.07	6623.36	6065.73	5230.76
Bullock Labour																
Hired	43.22	1.77	0.00	77.14	20.14	57.39	1026.83	297.13	10.78	33.62	160.86	222.86	0.00	10.16	31.84	46.73
Owned	56.32	79.39	2232.32	1102.78	468.13	738.08	3558.17	2365.90	1677.61	959.70	670.85	17.50	37.73	65.27	146.90	440.64
Total	99.54	81.16	2232.32	1179.92	488.27	795.47	4585.00	2663.03	1688.39	993.32	831.71	240.36	37.73	75.43	178.74	487.37
Machine Labour																
Hired	2166.02	1048.92	0.00	1534.96	3033.93	3298.58	3211.35	2506.16	98.43	55.98	1925.61	1704.60	1937.98	1402.18	2456.44	1729.77
Owned	23.55	119.02	0.00	0.00	75.70	34.36	62.54	202.94	1.58	0.65	544.86	45.64	111.41	13.57	395.49	110.62
Total	2189.57	1167.94	0.00	1534.96	3109.63	3332.94	3273.89	2709.10	100.01	56.63	2470.47	1750.24	2049.39	1415.75	2851.93	1840.39
Seed	2346.43	2721.30	1013.92	1256.00	1314.78	1386.71	1275.69	1383.30	1337.95	1574.42	1118.81	2030.74	1514.94	1935.36	914.49	1082.14
Fertilisers and Manure																
Fertilisers	560.31	109.27	0.00	39.43	665.92	598.17	1643.91	915.68	200.57	78.29	235.00	77.88	1188.36	410.02	154.22	28.72
Manure	0.00	0.00	0.00	0.00	253.90	275.25	354.04	1115.37	126.44	82.11	0.00	135.98	684.99	176.30	0.00	0.00
Total	560.31	109.27	0.00	39.43	919.82	873.42	1997.95	2031.05	327.01	160.40	235.00	213.86	1873.35	586.32	154.22	28.72
Insecticides	3327.97	1731.93	0.00	0.00	137.14	206.49	360.66	273.33	1.39	92.16	28.14	7.99	540.82	471.69	224.41	175.84
Irrigation charges	83.49	2.72	0.00	0.00	411.38	188.08	134.18	0.92	0.00	0.00	0.00	0.00	231.94	281.77	78.45	56.55
Interest on working capital	564.34	334.65	111.25	158.28	270.39	241.16	485.39	418.43	142.64	135.25	177.94	157.31	370.85	304.02	191.46	157.09
Miscellaneous	4.06	78.75	0.00	0.00	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Fixed Cost</b>	<b>13356.29</b>	<b>8710.51</b>	<b>5861.96</b>	<b>5275.40</b>	<b>6628.17</b>	<b>7165.51</b>	<b>5512.68</b>	<b>6252.99</b>	<b>3920.37</b>	<b>5078.59</b>	<b>4970.79</b>	<b>5222.20</b>	<b>6752.26</b>	<b>5728.44</b>	<b>5286.36</b>	<b>5401.72</b>
Rental value of owned land	12695.01	7482.23	5229.05	4712.80	5869.56	6613.59	3245.52	4050.96	2898.79	4368.58	2846.05	3933.00	5086.81	4383.49	3448.65	4361.35
Rent paid for leased-in land	21.38	700.22	0.00	0.00	0.00	0.00	0.00	58.54	0.00	0.00	0.00	0.00	147.79	130.53	208.89	122.37
Land revenue, cesses & taxes	0.12	0.10	7.00	5.18	3.59	3.01	20.79	31.85	13.68	10.61	9.60	4.30	6.19	7.72	3.40	5.98
Depreciation on implements & Farm buildings	166.27	234.48	183.21	302.33	177.62	160.99	358.61	463.59	288.91	202.23	338.97	271.31	318.94	173.83	420.90	256.67
Interest on fixed capital	473.51	293.48	442.70	255.09	577.40	387.92	1887.76	1648.05	718.99	497.17	1776.17	1013.59	1192.53	1032.87	1204.52	655.35
<b>Total Cost</b>	<b>33307.67</b>	<b>20654.69</b>	<b>15290.73</b>	<b>12775.43</b>	<b>18349.33</b>	<b>19202.05</b>	<b>28116.51</b>	<b>22038.26</b>	<b>12802.24</b>	<b>12953.26</b>	<b>18608.08</b>	<b>16353.69</b>	<b>21682.35</b>	<b>17422.14</b>	<b>15945.79</b>	<b>14460.58</b>
Operational Cost (based on new methodology)	20182.23	12025.77	9926.10	7675.40	11721.16	12036.54	22603.83	16259.48	9178.24	8216.36	13637.29	11131.49	14930.09	11693.70	10659.43	9058.86
Human Labour (based on new methodology)	11006.52	5798.05	6568.61	3506.81	5069.75	5002.57	10491.07	6777.32	5580.85	5204.18	8775.22	6730.99	8311.07	6623.36	6065.73	5230.76
Total Cost (based on new methodology)	33538.52	20736.28	15788.06	12950.80	18349.33	19202.05	28116.51	22512.47	13098.61	13294.95	18608.08	16353.69	21682.35	17422.14	15945.79	14460.58

Table - 4.8 (21)

## Groundnut : Estimates of Cost of Cultivation/Production and related data

	Andhra Pradesh		Gujarat		Karnataka		Maharashtra		Orissa		Tamil Nadu	
	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
Cost of Cultivation per hectare(Rs)												
A1	34944.94	29003.98	26912.55	20873.69	23016.12	14114.36	34497.71	23893.68	15311.65	14187.77	27552.73	21221.14
A2	34969.66	29024.93	27226.64	21067.74	23016.12	14114.36	34497.71	23893.68	15330.18	14187.77	27552.73	21221.14
A2+FL	40676.21	34822.15	32905.07	24913.47	26873.17	17307.36	44078.89	29548.34	24690.90	22654.07	37888.68	30103.17
B1	37706.24	30227.64	28512.21	22037.09	24547.46	15426.12	38208.53	26157.26	16232.69	14972.15	30698.81	23611.03
B2	59925.59	46825.17	37158.14	30061.90	31718.74	20181.31	46082.88	35793.84	29463.61	24408.54	37579.23	29367.57
C1	43412.79	36024.86	34190.64	25882.82	28404.51	18619.12	47789.70	31811.93	25593.42	23438.46	41034.76	32493.06
C2	65632.13	52622.39	42836.57	33907.63	35575.79	23374.30	55664.05	41448.50	38824.34	32874.84	47915.18	38249.59
C2*	65663.48	52622.39	43106.14	33907.63	35575.79	23674.35	55664.05	41448.50	38824.34	33064.69	47915.18	38249.59
Yield per hectare (Quintals)	16.99	19.53	11.95	14.32	7.09	5.12	13.04	18.06	13.17	12.39	13.59	13.60
Value of the main-product per hectare (Rs)	71161.55	52635.59	42602.98	41848.76	30665.05	20587.77	44917.98	55147.82	51668.94	36701.88	48327.79	34101.36
Value of the by-product per hectare (Rs)	2885.70	2661.29	9167.98	6713.79	3427.84	1447.05	2318.63	2660.11	1235.98	1043.66	3614.65	2228.21
Implicit price (Rs./qtl)	4188.44	2695.11	3565.10	2922.40	4325.11	4021.05	3444.63	3053.59	3923.23	2962.22	3556.13	2507.45
Cost of production per quintal (Rs)												
A1	1982.11	1413.60	1843.20	1257.04	2926.50	2651.99	2570.90	1298.98	1222.18	1143.04	1880.18	1463.85
A2	1983.11	1414.63	1863.51	1266.87	2926.50	2651.99	2570.90	1298.98	1223.91	1143.04	1880.18	1463.85
A2+FL	2300.82	1697.20	2265.94	1499.24	3409.20	3158.35	3214.36	1560.83	1830.98	1777.86	2593.97	2077.71
B1	2113.89	1473.24	1951.04	1326.62	3117.00	2883.92	2837.91	1407.40	1287.60	1205.57	2091.99	1632.09
B2	3359.40	2282.18	2525.67	1805.95	3938.79	3515.30	3398.54	1898.23	2189.72	1910.44	2564.28	2029.23
C1	2468.92	1755.79	2341.50	1556.72	3607.25	3541.50	3533.76	1697.49	1967.78	1876.44	2798.48	2234.78
C2	3714.44	2564.73	2916.12	2036.06	4429.03	4172.88	4094.39	2188.33	2869.91	2581.30	3270.77	2631.91
C2*	3716.34	2564.73	2935.20	2036.06	4429.03	4224.35	4094.39	2188.33	2869.91	2597.04	3270.77	2631.91
C3	4087.97	2821.20	3228.72	2239.67	4871.93	4646.78	4503.83	2407.16	3156.90	2856.74	3597.85	2895.10
Material and labour inputs per hectare												
ITEM UNIT												
Seeds (kgs.)	106.07	125.90	129.21	122.57	112.66	99.96	87.57	91.14	127.69	132.64	127.54	124.33
Fertilisers (kgs. of Nutrients)	134.38	150.49	102.66	98.73	78.05	80.51	121.87	97.80	88.37	84.33	53.96	65.96
Manure (Quintals)	13.72	9.35	19.09	36.38	22.95	2.83	19.94	30.66	1.99	2.99	32.11	31.14
Human Labour (Man Hours)	780.05	959.30	527.43	543.44	537.82	521.26	1084.42	899.84	946.39	1040.78	681.71	687.01
Animal Labour (Pair Hours)	33.64	65.11	44.35	53.28	50.88	37.53	40.52	56.49	107.46	161.10	30.50	49.83

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.



Table - 4.8 (22)

## Groundnut : Break- up of Cost of Cultivation per Hectare (In Rs.)

Cost Items	Andhra Pradesh		Gujarat		Karnataka		Maharashtra		Orissa		Tamil Nadu		
	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
<b>Operational Cost</b>	<b>40251.59</b>	<b>34565.00</b>	<b>32409.22</b>	<b>24563.71</b>	<b>26657.40</b>	<b>17112.38</b>	<b>43490.01</b>	<b>28859.59</b>	<b>24296.59</b>	<b>22271.56</b>	<b>37574.23</b>	<b>29699.99</b>	
Human Labour													
Casual	15154.89	12153.00	5389.58	3415.46	5367.50	4275.80	12152.73	6773.99	6144.73	4527.21	9846.96	7246.64	
Attached	191.96	0.00	44.36	20.70	1.87	13.56	26.69	156.08	131.05	13.73	63.46	93.56	
Family	5706.55	5797.22	5678.43	3845.73	3857.05	3193.00	9581.18	5654.66	9360.72	8466.30	10335.95	8882.03	
Total	21053.40	17950.22	11112.37	7281.89	9226.42	7482.36	21760.60	12584.73	15636.50	13007.24	20246.37	16222.23	
Bullock Labour													
Hired	962.21	1719.24	657.01	872.90	268.33	821.99	1607.91	1184.10	138.33	258.92	857.07	223.76	
Owned	529.72	311.41	2394.08	2411.44	1719.65	552.19	753.30	2710.34	1545.19	1865.67	328.80	1126.30	
Total	1491.93	2030.65	3051.09	3284.34	1987.98	1374.18	2361.21	3894.44	1683.52	2124.59	1185.87	1350.06	
Machine Labour													
Hired	3040.47	1776.61	3415.19	2097.61	1890.53	530.49	3376.32	2207.26	974.18	672.63	2490.53	1670.76	
Owned	65.33	17.67	395.66	140.22	85.14	595.28	826.78	99.08	6.31	1.47	81.17	41.12	
Total	3105.80	1794.28	3810.85	2237.83	1975.67	1125.77	4203.10	2306.34	980.49	674.10	2571.70	1711.88	
Seed	8270.83	7372.40	8170.91	6698.52	7001.91	5050.11	7959.11	4446.37	3379.48	4070.83	7702.21	5961.85	
Fertilisers and Manure													
Fertilisers	2780.58	2268.89	2008.62	1574.98	1583.37	1312.18	2353.71	1536.51	1832.84	1379.11	1169.63	1194.46	
Manure	875.47	446.57	1154.04	1288.55	2817.29	204.74	2059.36	2615.46	117.16	139.13	2740.91	1739.97	
Total	3656.05	2715.46	3162.66	2863.53	4400.66	1516.92	4413.07	4151.97	1950.00	1518.24	3910.54	2934.43	
Insecticides	778.26	849.10	1361.48	960.34	194.51	41.15	79.81	8.53	21.40	0.00	361.97	231.64	
Irrigation charges	826.06	970.44	917.98	609.44	1179.33	100.09	1685.57	764.04	192.60	458.21	770.17	657.05	
Interest on working capital	1046.82	10.70	810.02	627.82	690.92	421.80	1027.54	703.17	452.60	418.35	825.40	630.85	
Miscellaneous	22.44	871.75	11.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Fixed Cost</b>	<b>25380.54</b>	<b>18057.39</b>	<b>10427.35</b>	<b>9343.92</b>	<b>8918.39</b>	<b>6261.92</b>	<b>12174.04</b>	<b>12588.91</b>	<b>14527.75</b>	<b>10603.28</b>	<b>10340.95</b>	<b>8549.60</b>	
Rental value of owned land	22194.62	16576.58	8331.84	7830.75	7171.28	4755.19	7874.34	9636.58	13212.38	9436.38	6880.42	5756.54	
Rent paid for leased-in land	24.72	20.96	314.09	194.05	0.00	0.00	0.00	0.00	18.54	0.00	0.00	0.00	
Land revenue, cesses & taxes	0.14	0.36	4.47	6.58	7.17	32.10	31.37	25.82	11.18	11.94	6.12	10.27	
Depreciation on implements & Farm buildings	399.76	235.83	177.29	149.13	208.60	162.87	557.51	662.92	364.60	370.58	308.33	392.90	
Interest on fixed capital	2761.30	1223.66	1599.66	1163.41	1531.34	1311.76	3710.82	2263.59	921.05	784.38	3146.08	2389.89	
<b>Total Cost</b>	<b>65632.13</b>	<b>52622.39</b>	<b>42836.57</b>	<b>33907.63</b>	<b>35575.79</b>	<b>23374.30</b>	<b>55664.05</b>	<b>41448.50</b>	<b>38824.34</b>	<b>32874.84</b>	<b>47915.18</b>	<b>38249.59</b>	
Operational Cost (based on new methodology)	40282.94	34565.00	32678.79	24563.71	26657.40	17412.43	43490.01	28859.59	24296.59	22461.41	37574.23	29699.99	
Human Labour (based on new methodology)	21084.75	17950.22	11381.94	7281.89	9226.42	7782.41	21760.60	12584.73	15636.50	13197.09	20246.37	16222.23	
Total Cost (based on new methodology)	65663.48	52622.39	43106.14	33907.63	35575.79	23674.35	55664.05	41448.50	38824.34	33064.69	47915.18	38249.59	



Table - 4.8 (23)

**Soyabean : Estimates of Cost of Cultivation/Production and related data**

	Chhattisgarh	Madhya Pradesh		Maharashtra		Rajasthan		
	2011-12	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11	
1	2	3	4	5	6	7	8	
Cost of Cultivation per hectare(Rs)								
A1	9066.20	11703.98	11282.46	19741.63	17723.48	8787.31	8125.02	
A2	9066.20	11703.98	11282.46	19741.63	17851.53	8787.31	8125.02	
A2+FL	10431.86	14736.24	14050.21	22975.57	20383.72	12547.89	12772.56	
B1	10695.15	12868.71	11990.83	22220.69	19258.33	10675.87	11048.27	
B2	15087.64	19529.11	19900.35	27574.87	24022.22	15834.17	14434.69	
C1	12320.05	15900.97	14758.58	25454.63	21790.53	14436.45	15695.81	
C2	16712.54	22561.37	22668.10	30808.81	26554.41	19594.75	19082.23	
C2*	16763.27	22639.46	22668.10	30808.81	26554.41	19691.81	19519.55	
Yield per hectare (Quintals)	8.39	12.60	15.40	15.21	14.07	14.58	8.38	
Value of the main-product per hectare (Rs)	16646.65	25126.36	30046.03	31239.36	27642.83	29143.62	18412.58	
Value of the by-product per hectare (Rs)	923.33	1515.22	1592.05	879.29	604.15	1799.97	1901.88	
Implicit price (Rs./qtl)	1984.11	1994.16	1951.04	2053.87	1964.66	1998.88	2197.21	
Cost of production per quintal (Rs)								
A1	1023.96	895.87	700.62	1263.61	1251.35	568.20	933.20	
A2	1023.96	895.87	700.62	1263.61	1255.91	568.20	933.20	
A2+FL	3210.46	1103.03	866.44	1469.20	1417.75	810.56	1381.48	
B1	1207.94	987.17	744.39	1426.30	1353.39	690.22	1238.55	
B2	1704.04	1467.34	1224.97	1762.70	1678.33	1023.39	1574.05	
C1	1391.46	1207.75	916.29	1634.88	1521.39	932.65	1730.17	
C2	1887.56	1687.92	1396.87	1971.27	1846.33	1265.82	2065.68	
C2*	1893.01	1694.09	1396.87	1971.27	1846.33	1272.00	2113.56	
C3	2082.31	1863.49	1536.56	2168.40	2030.96	1399.20	2324.91	
Material and labour inputs per hectare								
ITEM	UNIT							
Seeds (kgs.)		88.31	87.28	87.39	77.43	79.58	99.71	87.06
Fertilisers (kgs. of Nutrients)		75.01	43.58	41.31	81.78	80.62	6.93	10.54
Manure (Quintals)		0.00	6.01	5.92	5.64	7.89	0.00	6.64
Human Labour (Man Hours)		244.7	252.94	283.37	446.53	447.03	286.14	406.95
Animal Labour (Pair Hours)		40.09	17.68	28.69	65.34	70.50	4.61	7.92

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.

Table - 4.8 (24)

**Soyabean : Break-up of Cost of Cultivation per Hectare (In Rs.)**

Cost Items	Chhattisgarh	Madhya Pradesh		Maharashtra		Rajasthan	
	2011-12	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
1	2	3	4	5	6	7	8
<b>Operational Cost</b>	<b>10381.13</b>	<b>14418.07</b>	<b>13704.54</b>	<b>22368.55</b>	<b>19780.01</b>	<b>12257.65</b>	<b>12463.63</b>
Human Labour							
Casual	1534.83	1927.66	2014.71	4462.59	4132.02	1533.68	2130.94
Attached	0.00	68.85	82.86	357.36	198.13	76.82	40.12
Family	1624.90	3032.26	2767.75	3233.94	2532.19	3760.58	4647.54
Total	3159.73	5028.77	4865.32	8053.89	6862.34	5371.08	6818.60
Bullock Labour							
Hired	394.37	285.94	278.23	660.83	819.34	58.69	10.36
Owned	465.32	351.84	785.99	3113.88	2988.16	255.76	150.30
Total	859.69	637.78	1064.22	3774.71	3807.50	314.45	160.66
Machine Labour							
Hired	1753.86	2910.84	2820.59	3864.21	3132.61	2251.39	1888.00
Owned	109.83	204.84	152.86	210.27	99.17	521.05	51.99
Total	1863.69	3115.68	2973.45	4074.48	3231.78	2772.44	1939.99
Seed	2160.68	2467.09	2221.78	2613.83	2556.38	2811.70	2675.16
Fertilisers and Manure							
Fertilisers	1345.77	880.92	674.47	1675.29	1446.54	127.42	146.74
Manure	0.00	591.47	547.53	463.58	688.71	0.00	372.38
Total	1345.77	1472.39	1222.00	2138.87	2135.25	127.42	519.12
Insecticides	621.54	1324.16	1008.52	864.03	643.00	603.07	107.82
Irrigation charges	102.79	0.00	0.00	259.05	18.08	0.00	5.43
Interest on working capital	265.34	345.02	331.42	579.84	3.02	257.49	236.85
Miscellaneous	1.90	27.18	17.83	9.85	522.66	0.00	0.00
<b>Fixed Cost</b>	<b>6331.41</b>	<b>8143.30</b>	<b>8963.56</b>	<b>8440.26</b>	<b>6774.40</b>	<b>7337.11</b>	<b>6618.60</b>
Rental value of owned land	4392.49	6660.40	7909.52	5354.18	4635.84	5158.30	3386.42
Rent paid for leased-in land	0.00	0.00	0.00	0.00	128.05	0.00	0.00
Land revenue, cesses & taxes	6.92	3.81	3.82	22.54	26.73	7.18	7.14
Depreciation on implements & Farm buildings	303.05	314.36	341.86	584.48	448.93	283.07	301.79
Interest on fixed capital	1628.95	1164.73	708.36	2479.06	1534.85	1888.56	2923.25
<b>Total Cost</b>	<b>16712.54</b>	<b>22561.37</b>	<b>22668.10</b>	<b>30808.81</b>	<b>26554.41</b>	<b>19594.76</b>	<b>19082.23</b>
Operational Cost (based on new methodology)	10431.86	14496.16	13704.54	22368.55	19780.01	12354.71	12899.95
Human Labour (based on new methodology)	3210.46	5106.86	4865.32	8053.89	6862.34	5468.14	7254.92
Total Cost (based on new methodology)	16763.27	22639.46	22668.10	30808.81	26554.41	19691.81	19519.55

Table - 4.8 (25)

**Sunflower : Estimates of Cost of Cultivation/Production and related data**

1	Andhra Pradesh		Karnataka		Maharashtra	
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
	2	3	4	5	6	7
Cost of Cultivation per hectare(Rs)						
A1	18320.18	15796.01	10199.76	9194.47	16497.45	13262.42
A2	19408.03	15796.01	10199.76	9194.47	16497.45	13262.42
A2+FL	23313.56	17974.91	11888.86	10546.85	20167.47	15870.11
B1	19916.24	16595.48	10898.50	9508.52	17870.04	14299.32
B2	30201.85	22953.72	14470.57	12564.43	24154.50	18130.53
C1	23821.77	18774.38	12587.59	10860.90	21540.05	16907.00
C2	34107.37	25132.62	16159.66	13916.81	27824.52	20738.21
C2*	34129.32	25287.37	16390.66	14252.58	27824.52	21203.50
Yield per hectare (Quintals)	11.07	8.11	5.15	5.27	9.82	9.33
Value of the main-product per hectare (Rs)	36572.17	21095.10	16661.80	13834.03	36432.52	22774.68
Value of the by-product per hectare (Rs)	81.04	99.03	213.25	256.53	1266.75	207.99
Implicit price (Rs./qtl)	3303.72	2601.12	3235.30	2625.05	3710.03	2441.02
Cost of production per quintal (Rs)						
A1	1708.42	1906.43	1953.92	1732.64	1730.28	1421.47
A2	1812.10	1906.43	1953.92	1732.64	1730.28	1421.47
A2+FL	2101.36	2206.03	2279.34	1964.86	1984.71	1685.58
B1	1850.56	1998.88	2100.52	1791.54	1843.27	1530.53
B2	2720.75	2783.85	2778.68	2331.18	2287.88	1925.15
C1	2204.23	2301.31	2417.69	2052.42	2294.35	1805.81
C2	3074.42	3086.28	3095.85	2592.05	2738.96	2200.43
C2*	3075.67	3103.40	3141.02	2654.33	2738.96	2248.89
C3	3383.24	3413.74	3455.12	2919.76	3012.86	2473.78
Material and labour inputs per hectare						
ITEM (Unit)						
Seeds (kgs.)	6.92	4.91	5.60	5.84	6.33	9.37
Fertilisers (kgs. of Nutrients)	123.58	105.38	50.58	58.68	46.33	69.80
Manure (Quintals)	6.15	1.26	0.00	0.37	0.00	3.34
Human Labour (Man Hours)	468.67	442.21	288.73	309.50	499.53	435.76
Animal Labour (Pair Hours)	35.63	65.07	38.62	55.45	98.46	102.77

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.

Table - 4.8 (26)

**Sunflower : Break-up of Cost of Cultivation per Hectare (In Rs.)**

Cost Items	Andhra Pradesh		Karnataka		Maharashtra	
	2011-12	2010-11	2011-12	2010-11	2010-11	2009-10
1	2	3	4	5	6	7
<b>Operational Cost</b>	<b>21904.57</b>	<b>17634.49</b>	<b>11736.05</b>	<b>10425.29</b>	<b>19937.88</b>	<b>15560.31</b>
Human Labour						
Casual	7339.35	6025.66	3389.64	2932.69	4897.38	2848.86
Attached	0.00	312.43	0.00	0.00	782.22	0.00
Family	3905.53	2178.90	1689.10	1352.38	3670.02	2607.69
Total	11244.88	8516.99	5078.74	4285.07	9349.62	5456.55
Bullock Labour						
Hired	572.10	2345.15	621.36	861.83	344.02	517.56
Owned	1139.07	339.02	841.79	1197.25	5928.91	4496.57
Total	1711.17	2684.17	1463.15	2059.08	6272.93	5014.13
Machine Labour						
Hired	2586.91	1603.03	1995.44	1277.89	1144.90	440.69
Owned	14.16	4.30	23.86	19.27	31.68	0.00
Total	2601.07	1607.33	2019.30	1297.16	1176.58	440.69
Seed	1441.41	1670.47	1690.62	1270.92	1688.26	2164.35
Fertilisers and Manure						
Fertilisers	2475.56	1804.86	1001.76	1021.89	957.52	1193.82
Manure	922.20	82.69	0.00	36.97	0.00	667.82
Total	3397.76	1887.55	1001.76	1058.86	957.52	1861.64
Insecticides	632.85	588.96	81.31	152.34	0.00	0.00
Irrigation charges	330.00	203.78	96.72	26.92	0.00	230.45
Interest on working capital	545.43	468.35	304.45	274.94	492.97	392.50
Miscellaneous	0.00	6.89	0.00	0.00	0.00	0.00
<b>Fixed Cost</b>	<b>12202.80</b>	<b>7498.13</b>	<b>4423.61</b>	<b>3491.52</b>	<b>7886.64</b>	<b>5177.90</b>
Rental value of owned land	9197.75	6358.24	3572.06	3055.91	6284.47	3831.21
Rent paid for leased-in land	1087.85	0.00	0.00	0.00	0.00	0.00
Land revenue, cesses & taxes	0.26	1.30	11.93	12.61	11.15	18.27
Depreciation on implements & Farm buildings	320.87	339.12	140.88	108.95	218.43	291.52
Interest on fixed capital	1596.07	799.47	698.74	314.05	1372.59	1036.90
<b>Total Cost</b>	<b>34107.37</b>	<b>25132.62</b>	<b>16159.66</b>	<b>13916.81</b>	<b>27824.52</b>	<b>20738.21</b>
Operational Cost (based on new methodology)	21926.52	17789.24	11967.05	10761.06	19937.88	16025.60
Human Labour (based on new methodology)	11266.83	8671.74	5309.74	4620.84	9349.62	5921.84
Total Cost (based on new methodology)	34129.32	25287.37	16390.66	14252.58	27824.52	21203.50

Table - 4.8 (27)

## Sesamum : Estimates of Cost of Cultivation/Production and related data

	Andhra Pradesh	Gujarat		Madhya Pradesh	Orissa		Rajasthan		Tamil Nadu		West Bengal	
	2011-12	2011-12	2010-11	2011-12	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
Cost of Cultivation per hectare(Rs)												
A1	8304.81	13677.62	9647.68	7274.83	5058.99	5305.85	4829.46	2549.01	14087.04	7779.48	16521.11	10186.07
A2	8304.81	13677.62	10063.73	7274.83	5202.55	5305.85	4924.11	2622.35	14087.04	7779.48	16521.11	10228.43
A2+FL	11394.70	19794.46	13988.78	13354.15	8719.60	9451.44	10186.75	6377.36	20940.59	13024.11	21367.08	16128.40
B1	8561.15	14355.70	10439.03	7868.15	5931.34	6146.93	6525.62	3473.17	16200.77	9153.79	17059.22	10555.70
B2	13714.31	19737.60	14299.45	14123.35	8995.69	9129.05	9184.42	6153.21	23216.22	14178.98	23261.54	17380.97
C1	11651.04	20472.54	14364.08	13947.47	9448.39	10292.52	11788.26	7228.18	23054.32	14398.42	21905.19	16455.67
C2	16804.20	25854.44	18224.51	20202.67	12512.74	13274.65	14447.06	9908.21	30069.76	19423.61	28107.52	23280.94
C2*	16804.20	25854.44	18224.51	20202.67	12512.74	13725.93	15690.09	10192.24	30069.76	19423.61	28190.10	23381.05
Yield per hectare (Quintals)	3.37	5.36	3.80	4.73	2.72	3.09	2.54	2.81	7.49	4.73	9.37	8.27
Value of the main-product per hectare (Rs)	17126.80	31674.29	22795.82	24287.33	11788.22	11623.34	15158.96	15478.41	36072.61	19037.70	24137.52	26453.99
Value of the by-product per hectare (Rs)	50.39	610.70	171.80	733.45	323.57	305.14	541.25	426.02	123.44	89.90	671.78	847.10
Implicit price (Rs./qtl)	5082.14	5909.38	5998.90	5134.74	4333.90	3761.60	5968.09	5508.33	4816.10	4024.88	2576.04	3198.79
Cost of production per quintal (Rs)												
A1	2409.87	2610.64	2617.25	1533.60	1792.17	1677.62	1894.01	793.47	1854.64	1569.40	1725.83	1198.05
A2	2409.87	2610.64	2710.25	1533.60	1841.20	1677.62	1925.07	823.69	1854.64	1569.40	1725.83	1203.14
A2+FL	3371.30	3623.14	3653.72	1431.46	3120.09	2980.47	3872.27	2208.73	2786.27	2740.57	2218.62	1889.72
B1	2533.35	2755.24	2824.15	1698.60	2114.30	1940.88	2539.41	1107.23	2126.87	1869.88	1781.46	1242.34
B2	3890.64	3669.75	3741.77	2984.71	3173.94	2875.71	3384.58	1971.73	3068.51	2927.46	2428.53	2023.38
C1	3621.45	3823.14	3830.84	2857.41	3419.99	3249.46	4602.65	2557.64	3060.76	3027.86	2269.99	1941.92
C2	4978.74	4737.65	4748.47	4143.52	4479.63	4184.29	5447.82	3422.13	4002.39	4085.44	2917.06	2722.96
C2*	4978.74	4737.65	4748.47	4143.52	4479.63	4323.82	5926.98	3522.98	4002.39	4085.44	2924.59	2736.08
C3	5476.61	5211.42	5223.32	4557.87	4927.92	4756.21	6519.68	3875.28	4402.63	4493.98	3217.05	3009.69
Material and labour inputs per hectare												
ITEM	UNIT											
Seeds (kgs.)	6.92	5.63	2.83	6.62	11.33	10.75	3.31	4.73	6.15	7.59	9.99	8.42
Fertilisers (kgs. of Nutrients)	8.49	120.62	109.51	45.23	0.55	11.55	3.15	4.34	45.72	42.53	83.12	40.68
Manure (Quintals)	0.00	0.79	23.77	5.62	0.00	0.00	0.37	0.52	14.49	0.00	5.71	2.87
Human Labour (Man Hours)	280.67	538.29	481.70	365.05	398.54	188.18	309.12	259.97	462.56	393.69	656.79	695.61
Animal Labour (Pair Hours)	21.96	10.34	22.92	1.95	111.50	132.55	43.34	3.79	0.00	3.24	37.99	42.52

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.

Table - 4.8 (28)

## Sesamum : Break-up of Cost of Cultivation per Hectare (In Rs.)

Cost Items	Andhra Pradesh	Gujarat		Madhya Pradesh	Orissa		Rajasthan		Tamil Nadu		West Bengal	
	2011-12	2011-12	2010-11	2011-12	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
<b>Operational Cost</b>	<b>11261.30</b>	<b>19653.02</b>	<b>13274.63</b>	<b>13193.25</b>	<b>8266.10</b>	<b>9109.12</b>	<b>9688.27</b>	<b>6036.58</b>	<b>20658.04</b>	<b>12633.49</b>	<b>21031.00</b>	<b>15922.13</b>
Human Labour												
Casual	3318.57	4723.23	2265.23	1423.50	1622.79	1219.94	1804.80	389.47	7535.81	4050.87	8270.66	4997.39
Attached	328.84	8.88	0.00	0.00	576.95	602.76	57.41	102.77	93.83	33.34	8.84	2.58
Family	3089.89	6116.84	3925.05	6079.32	3517.05	4145.59	5262.64	3755.01	6853.55	5244.63	4845.97	5899.97
Total	6737.30	10848.95	6190.28	7502.82	5716.79	5968.29	7124.85	4247.25	14483.19	9328.84	13125.47	10899.94
Bullock Labour												
Hired	250.80	182.63	770.41	48.80	12.15	8.49	0.59	36.38	0.00	5.98	264.29	270.53
Owned	481.01	662.73	789.97	0.00	1384.92	2116.22	1331.21	20.71	0.00	111.59	926.10	773.00
Total	731.81	845.36	1560.38	48.80	1397.07	2124.71	1331.80	57.09	0.00	117.57	1190.39	1043.53
Machine Labour												
Hired	1979.04	2853.33	1267.03	3363.73	415.86	167.10	568.98	1026.77	1739.47	1483.78	2149.26	1541.09
Owned	0.00	138.48	102.15	53.34	28.41	11.99	201.58	62.76	3.53	73.70	10.75	22.05
Total	1979.04	2991.81	1369.18	3417.07	444.27	179.09	770.56	1089.53	1743.00	1557.48	2160.01	1563.14
Seed	726.92	763.36	460.59	704.50	551.99	519.79	238.97	462.82	453.26	511.97	521.45	479.24
Fertilisers and Manure												
Fertilisers	162.02	2254.39	1607.49	742.20	12.07	166.83	66.68	60.49	987.63	616.71	1889.32	752.48
Manure	0.00	46.18	1167.80	562.29	0.00	0.00	16.16	28.66	810.97	0.00	296.25	118.47
Total	162.02	2300.57	2775.29	1304.49	12.07	166.83	82.84	89.15	1798.60	616.71	2185.57	870.95
Insecticides	0.00	754.05	465.58	0.00	0.00	0.00	0.00	19.15	140.02	143.85	188.89	144.01
Irrigation charges	676.59	738.73	170.01	0.00	0.00	0.00	5.14	2.45	1621.65	133.17	1166.48	616.63
Interest on working capital	247.62	410.19	283.32	215.57	143.91	150.41	134.11	69.14	418.32	223.90	490.46	303.70
Miscellaneous	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	2.28	0.99
<b>Fixed Cost</b>	<b>5542.90</b>	<b>6201.42</b>	<b>4949.88</b>	<b>7009.42</b>	<b>4246.64</b>	<b>4165.53</b>	<b>4758.79</b>	<b>3871.63</b>	<b>9411.72</b>	<b>6790.12</b>	<b>7076.52</b>	<b>7358.81</b>
Rental value of owned land	5153.16	5381.91	3444.37	6255.20	2920.79	2982.12	2564.16	2606.69	7015.45	5025.19	6202.32	6782.91
Rent paid for leased-in land	0.00	0.00	416.06	0.00	143.56	0.00	94.64	73.34	0.00	0.00	0.00	42.36
Land revenue, cesses & taxes	0.20	9.63	4.24	3.60	13.03	14.43	3.98	6.73	10.68	11.74	26.89	16.40
Depreciation on implements & Farm buildings	133.20	131.81	293.86	157.30	296.92	327.90	399.86	260.71	271.86	378.87	309.20	147.51
Interest on fixed capital	256.34	678.07	791.35	593.32	872.34	841.08	1696.15	924.16	2113.73	1374.32	538.11	369.63
<b>Total Cost</b>	<b>16804.20</b>	<b>25854.44</b>	<b>18224.51</b>	<b>20202.67</b>	<b>12512.74</b>	<b>13274.65</b>	<b>14447.06</b>	<b>9908.21</b>	<b>30069.76</b>	<b>19423.61</b>	<b>28107.52</b>	<b>23280.94</b>
Operational Cost (based on new methodology)	11261.30	19653.02	13274.63	13193.25	8266.10	9560.40	10931.30	6320.61	20658.04	12633.49	21113.58	16022.24
Human Labour (based on new methodology)	6737.30	10848.95	6190.28	7502.82	5716.79	6419.57	8367.88	4531.28	14483.19	9328.84	13208.05	11000.05
Total Cost (based on new methodology)	16804.20	25854.44	18224.51	20202.67	12512.74	13725.93	15690.09	10192.24	30069.76	19423.61	28190.10	23381.05



Table - 4.8 (29)

**Nigerseed : Estimates of Cost of Cultivation/Production and related data**

	Orissa	
	2011-12	2010-11
	1	2
Cost of Cultivation per hectare(Rs)		
A1	5869.49	5088.15
A2	5869.49	5088.15
A2+FL	10619.86	6880.23
B1	6779.97	5616.00
B2	9201.37	8406.21
C1	11530.34	7408.07
C2	13951.74	10198.28
C2*	13951.74	10234.10
Yield per hectare (Quintals)	4.54	3.21
Value of the main-product per hectare (Rs)	9553.80	11093.16
Value of the by-product per hectare (Rs)	131.79	67.68
Implicit price (Rs./qtl)	2104.36	3455.81
Cost of production per quintal (Rs)		
A1	1274.20	1576.60
A2	1274.20	1576.60
A2+FL	2307.35	2130.38
B1	1471.85	1740.15
B2	1997.51	2604.72
C1	2503.10	2295.44
C2	3028.76	3160.00
C2*	3028.76	3168.86
C3	3331.64	3485.75
Material and labour inputs per hectare		
ITEM		
Seeds	10.00	10.10
Fertilisers (kgs. of Nutrients)	0.00	0.00
Manure	0.00	0.00
Human Labour (Man Hours)	428.02	312.06
Animal Labour (Pair Hours)	148.67	116.64

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.



Table - 4.8 (30)

**Nigerseed : Break-up of Cost of Cultivation per Hectare (In Rs.)**

Cost Items	Orissa	
	2011-12	2010-11
	1	2
<b>Operational Cost</b>	<b>10208.54</b>	<b>6540.91</b>
Human Labour		
Casual	1663.48	2203.92
Attached	1.00	0.00
Family	4750.37	1792.08
Total	6414.85	3996.00
Bullock Labour		
Hired	251.48	483.10
Owned	3118.18	1564.52
Total	3369.66	2047.62
Machine Labour		
Hired	0.00	0.00
Owned	0.00	0.00
Total	0.00	0.00
Seed	258.63	353.39
Fertilisers and Manure		
Fertilisers	0.00	0.00
Manure	0.00	0.00
Total	0.00	0.00
Insecticides	0.00	0.00
Irrigation charges	0.00	0.00
Interest on working capital	0.00	143.90
Miscellaneous	165.40	0.00
<b>Fixed Cost</b>	<b>3743.20</b>	<b>3657.87</b>
Rental value of owned land	2421.40	2790.21
Rent paid for leased-in land	0.00	0.00
Land revenue, cesses & taxes	9.42	5.96
Depreciation on implements & Farm buildings	401.90	333.85
Interest on fixed capital	910.48	527.85
<b>Total Cost</b>	<b>13951.74</b>	<b>10198.78</b>
Operational Cost (based on new methodology)	10208.54	6576.73
Human Labour (based on new methodology)	6414.85	4031.82
Total Cost (based on new methodology)	13951.74	10234.10