

Table 6

Agricultural Statistics of Kerala

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Table 6.1 : Land Use Pattern in Kerala

Sl. No	Classification of Land	2009-10	2015-16	Growth Rate (%)	Percentage of Geographical Areas (2015-16)
1	Total geographical area	3886287	3886287	0	100
2	Forest	1081509	1081509	0	29.1
3	Land put to non-agricultural uses	371906	434646	16.87	11.8
4	Barren and uncultivated land	22046	13100	-40.58	0.34
5	Permanent pastures and grazing land	228	0	-100	0
6	Land under miscellaneous tree crops	4423	2663	-39.79	0.07
7	Cultivable waste	98014	99499	1.51	2.56
8	Fallow other than current fallow	45374	55258	21.78	1.42
9	Current fallow	76945	70003	-9.02	1.8
10	Net area sown	2078715	2023073	-2.68	52
11	Area sown more than once	589963	604504	2.46	15.55
12	Total cropped area	2668678	2627577	-1.54	67.61
13	Cropping intensity (%)	128	130	1.56	0

Source: 1. State Planning Board, Kerala, (2012), Economic Review, 2011, Vol. 2

2. State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.2 : Number of Operational Holdings and Area Operated by Size/Class in Kerala (2010-11)

Sl. No.	Size of Holdings (ha)	Number (in lakh)	Share (%)	Area (in '000 ha)	Share (%)
1	Below 1.00	65.80	96.33	886	58.64
2	1.00-1.99	1.80	2.66	282	18.66
3	2.00-3.99	0.57	0.83	159	10.52
4	4.00-9.99	0.12	0.18	64	4.24
5	10.00 and above	0.02	0.03	120	7.94
Total		68.31	100	1511	100

Source: State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.3 : Number of Operational Holdings and average size 2005-2006

Sl. No	Size Class Hectare	No. of Operational Holders (in lakh)	Share (%)	Area of Operation(ha)	Share (%)	Average Size of Holders (ha)
1	Below 1 hectare	66.02	95.63	895786	57.60	0.14
2	1 to 2 hectares	2.15	3.11	284820	18.32	1.33
3	2 to 4 hectares	0.70	1.01	178574	11.49	2.56
4	4 to 10 hectares	0.15	0.22	78757	5.07	5.25
5	10 hectares & above	0.02	0.03	116889	7.52	58.44
All		69.04	100	1554826	100	0.23

Source: DES (2012), Report of Agricultural Census 2005-06

Table 6.4 : District-wise Number and Area of Operational Holdings 2005-06

Sl. No	District	Total No. of Operational Holdings	Share (%)	Total Area Operated (ha)	Share (%)
1	Thiruvananthapuram	792342	11.48	82426	5.30
2	Kollam	611896	8.85	86099	5.54
3	Pathanamthitta	296484	4.29	71023	4.57
4	Alappuzha	487201	7.06	74851	4.81
5	Kottayam	428487	6.21	127392	8.19
6	Idukki	298811	4.33	179576	11.55
7	Ernakulam	678312	9.82	115587	7.43
8	Thrissur	663126	9.60	102560	6.60
9	Palakkad	527994	7.65	163505	10.52
10	Malappuram	647120	9.37	134258	8.63
11	Kozhikode	605569	8.77	107187	6.89
12	Wayanad	156391	2.27	86560	5.57
13	Kannur	487109	7.06	137409	8.84
14	Kasaragod	223450	3.24	86383	5.56
Kerala		6904292	100	1554826	100

Source: DES (2012), Report of Agricultural Census 2005-06

Table 6.5 : Number of Holdings according to Tenancy Status 2005-06

Sl. No.	Category of Holdings and Size Group (ha)	Wholly owned and self operated	Wholly leased in	Wholly otherwise operated	Partly owned, partly leased in and partly otherwise operated	Total
1	Below 1 hectare	6528945	4099	34115	35284	6602443
2	Small 1.00 – 1.99	206794	219	1251	6568	214832
3	Semi-medium 2.00-3.99	66622	118	594	2376	69710
4	Medium 4.00-9.99	13903	33	110	812	14858
5	Large 10 & above	2251	45	20	133	2449
All Categories		6818515	4514	36090	45173	9604292
Share (%)						
1	Below 1 hectare	98.89	0.06	0.52	0.53	100
2	Small 1.00 – 1.99	96.26	0.10	0.58	3.06	100
3	Semi-medium 2.00-3.99	95.57	0.17	0.85	3.41	100
4	Medium 4.00-9.99	93.57	0.22	0.74	5.47	100
5	Large 10 & above	91.91	1.84	0.82	5.43	100
All Categories		98.76	0.07	0.52	0.65	100

Source: DES (2012), Report of Agricultural Census 2005-06

Table 6.6 : Percentage Distribution of Area Under Principal Crops in Different Size Classes 2005 – 06

Sl. No.	Size Class (ha)	Paddy	Coconut	Tapioca	Rubber	Cashew	Tea	Pepper	Coffee	Aracanut	Mango	Banana
1	Marginal (0.02-0.99)	44.02	72.39	74.3	45.47	53.37	3.78	59.77	35.78	55.27	80.36	66.72
2	Small (1.00 – 1.99)	26.29	14.28	15.1	26.75	22.23	1.9	20.17	19.2	22.04	10.28	16.98
3	Semi-medium (2.00- 3.99)	18.7	8.32	8.06	17.1	15.15	1.49	10.58	14.06	15.06	5.45	10.47
4	Medium (4.00-9.99)	9.21	3.5	2.2	6.82	5.64	1.09	4.22	7.36	5.61	2.44	4.01
5	Large (10 & above)	1.78	1.51	0.34	3.86	3.61	91.74	5.26	23.6	2.02	1.47	1.82
All Sizes		100										

Source: DES (2012), Report of Agricultural Census 2005-06

Table 6.7 : Crop-wise Percentage Distribution of Gross Cropped Area in Kerala

Sl. No.	Name of Crop	1990-91	1995-96	2000-01	2005-06
1	Paddy	16.08	12.06	11.21	10.72
2	Coconut	27.10	31.36	25.70	24.66
3	Tapioca	5.08	2.34	2.43	1.82
4	Rubber	16.22	17.69	19.93	22.38
5	Cashew	3.47	3.55	3.43	2.72
6	Tea	1.55	0.65	1.42	3.11
7	Pepper	8.10	7.61	5.60	4.09
8	Coffee	2.69	3.84	3.59	3.30
9	Aracanut	1.98	3.57	5.49	0
10	Mango	1.92	1.65	1.93	1.92
11	Banana	5.65	5.59	1.25	3.78
12	Others	10.16	10.09	18.02	21.50
All Crop		100.00	100.00	100.00	100.00

Source: DES (2012), Report of Agricultural Census 2005-06

**Table 6.8 : Distribution of Gross Cropped Area according to Irrigation Status
2005-06 (%)**

Sl. No	District	Irrigated	Unirrigated	Total
1	Thiruvananthapuram	12.37	87.63	100
2	Kollam	6.63	93.37	100
3	Pathanamthitta	8.67	91.33	100
4	Alappuzha	48.50	51.50	100
5	Kottayam	10.52	89.48	100
6	Idukki	18.97	81.03	100
7	Ernakulam	26.23	73.77	100
8	Thrissur	59.28	40.72	100
9	Palakkad	39.37	60.63	100
10	Malappuram	26.45	73.55	100
11	Kozhikode	10.50	89.50	100
12	Wayanad	20.28	79.72	100
13	Kannur	18.05	81.95	100
14	Kasaragod	47.90	52.10	100
Kerala		24.83	75.17	100

Source: DES (2012), Report of Agricultural Census 2005-06

Table 6.9 : Area and Production of Rice in Kerala and India

Sl. No	Year	Area (000' ha)			Production (000'MT)		
		Kerala	India	Kerala's Share (%)	Kerala	India	Kerala's Share (%)
1	2005-06	276	44258	0.62	630	91790	0.69
2	2010-11	213	42560	0.50	522	95980	0.54
3	2014-15	198	43860	0.45	562	104800	0.54

Source: State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.10 : Trends in Area, Production & Productivity of Rice in Kerala

Year	Area (000' ha)	Growth Rate (%)	Production (000'MT)	Growth Rate (%)	Productivity (k.g./ha.)	Growth Rate (%)
2005-06	276	-	630	-	2285	-
2006-07	264	-4.35	642	1.90	2435	6.56
2007-08	229	-13.26	528	-17.76	2308	-5.22
2008-09	234	2.18	590	11.74	2520	9.19
2009-10	234	0	598	1.36	2557	1.47
2010-11	213	-8.97	522	-12.71	2452	-4.11
2011-12	208	-2.35	569	9.00	2733	11.46
2012-13	197	-5.29	508	-10.72	2577	-5.71
2013-14	199	1.02	564	11.02	2827	9.70
2014-15	198	-0.50	562	-0.35	2837	0.35
2015-16	196	-1.01	549	-2.31	2790	-1.66

Source: State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.11 : Season-wise Area, Production and Productivity of Rice in Kerala

Season	Area (hectare)		Growth Rate (%)
	2009-10	2015-16	
Virippu	77249	60418	-21.79
Mundakan	107485	89118	-17.09
Puncha	49279	47334	-3.95
All Seasons	234013	196870	-15.87
Production (MT)			
Virippu	192050	160894	-16.22
Mundakan	272284	243675	-10.51
Puncha	134005	144706	7.99
All Seasons	598339	549275	-8.20
Productivity (k.g./ha.)			
Virippu	2486	2663	7.12
Mundakan	2533	2734	7.94
Puncha	2719	3057	12.43
All Seasons	2557	2790	9.11

Source: 1. State Planning Board, Kerala, (2012), Economic Review, 2011, Vol. 2
 2. State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.12 : District-wise Area and Production of Rice in Kerala

Sl. No.	District	Area (ha)			Production (MT)		
		2009-10	2015-16	Growth Rate (%)	2009-10	2015-16	Growth Rate (%)
1	Thiruvananthapuram	2940	2119	-27.93	7564	5453	-27.91
2	Kollam	3453	1555	-54.97	7947	3351	-51.83
3	Pathanamthitta	2996	2534	-15.42	7738	8396	8.50
4	Alappuzha	33440	31724	-5.13	97976	89335	-8.82
5	Kottayam	15474	16272	5.16	39413	49506	25.61
6	Idukki	2328	887	-61.90	6137	2198	-64.18
7	Ernakulam	10787	5950	-44.84	21024	12652	-39.82
8	Thrissur	25439	24625	-3.20	63854	78886	23.54
9	Palakkad	100522	81120	-19.30	266231	228459	-14.19
10	Malappuram	8838	8687	-1.71	19893	23649	18.88
11	Kozhikode	3277	2872	-12.35	4302	3608	-16.13
12	Wayanad	12995	9204	-29.17	33157	23704	-28.51
13	Kannur	7130	5478	-23.17	13843	11518	-16.80
14	Kasaragod	4394	3843	-12.54	9260	8560	-7.56
Kerala		234013	196870	-15.87	598339	549275	-8.20

Source: 1. State Planning Board, Kerala, (2012), Economic Review, 2011, Vol. 2

2. State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.13 : District-wise Share of Area and Production of Rice in 2015-16

Sl. No.	District	Area (%)	Production (%)
1	Thiruvananthapuram	1.08	0.90
2	Kollam	0.79	0.61
3	Pathanamthitta	1.29	1.53
4	Alappuzha	16.11	16.26
5	Kottayam	8.27	9.01
6	Idukki	0.45	0.40
7	Ernakulam	3.02	2.39
8	Thrissur	12.51	14.36
9	Palakkad	41.20	41.59
10	Malappuram	4.41	4.31
11	Kozhikode	1.46	0.66
12	Wayanad	4.68	4.32
13	Kannur	2.78	2.10
14	Kasaragod	1.95	1.56
Kerala		100	100

Source: State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.14 : Area of Principal Crops in Kerala (hectare)

Sl. No.	Crops	2009-10	2015-16	Growth Rate (%)
1	Rice	234013	196870	-15.87
2	Pulses	4449	3764	-15.40
3	Pepper	171489	85948	-49.88
4	Ginger	5408	4986	-7.80
5	Turmeric	2438	2603	6.11
6	Cardamom	41593	39730	-4.48
7	Arecanut	99188	99126	-0.06
8	Banana	51275	59835	16.69
9	Other Plantains	47802	57683	20.67
10	Cashew Nut	48972	43090	-12.01
11	Tapioca	74856	69405	-7.28
12	Coconut	778618	790223	1.49
13	Coffee	84796	84987	0.23
14	Tea	36845	30205	-18.02
15	Rubber	525408	550840	4.84
Total		2207150	2119295	-3.98

Source: 1. State Planning Board, Kerala, (2012), Economic Review, 2011, Vol. 2
 2. State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.15 : Production and Productivity of Principal Crops in Kerala

Sl. No.	Crops	Production (MT)		Productivity (k.g./ha)	
		2009-10	2015-16	2009-10	2015-16
1	Rice	598337	549275	2557	2790
2	Pulses	3390	4263	762	1133
3	Pepper	28497	42132	166	490
4	Ginger	28603	22044	5289	4421
5	Turmeric	6066	7112	2488	2732
6	Cardamom	7800	19500	188	491
7	Arecanut	116763	132453	1177	1336
8	Banana	406242	536155	7923	8961
9	Other Plantains	338546	411626	7082	7136
10	Cashew Nut	35818	24733	731	574
11	Tapioca	2525384	2662610	33737	38363
12	Coconut	5667	5873	7278	7432
13	Coffee	59250	69230	699	815
14	Tea	57810	57898	1569	1917
15	Rubber	745510	438630	1419	796

Source: 1. State Planning Board, Kerala, (2012), Economic Review, 2011, Vol. 2

2. State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.16 : Area, Production and Productivity of Coconut in Kerala and India

Sl. No.	Year	Area (000' Ha.)		Production (Million Nuts)		Productivity (Nuts/ha.)	
		Kerala	India	Kerala	India	Kerala	India
1	2007-08	818.812	1903	5641	14744	7067	7747
2	2008-09	787.769	1895	5802	10148	7269	7749
3	2009-10	778.618	1900	5667	10824	7100	8300
4	2010-11	770.473	1896	5287	10840	6624	5718
5	2011-12	820.867	2070	5941	23351	7443	11277
6	2012-13	798.162	2136	5799	22680	7265	10615
7	2013-14	808.647	2140	5921	21665	7322	10122
8	2014-15	793.856	1975.81	5947	20439	7491	10345
9	2015-16	790.223	NA	5873	NA	7432	NA

Source: State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.17 : Area, Production and Productivity of Cashew in Kerala and India

Sl. No.	Year	Area (000' Ha.)		Production (Million Nuts)		Productivity (Nuts/ha.)	
		Kerala	India	Kerala	India	Kerala	India
1	2007-08	58.38	868	52.4	665	898	766
2	2008-09	53.01	893	42.33	695	799	778
3	2009-10	48.97	923	35.82	613	731	664
4	2010-11	43.85	945	34.75	653	792	691
5	2011-12	54.05	991	36.74	692	680	749
6	2012-13	52.08	982	37.91	728	728	741
7	2013-14	49.10	1006	33.37	736	680	732
8	2014-15	45.44	1027	29.71	725	654	705
9	2015-16	43.09	1034	24.73	670.3	574	648

Source: State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.18 : Production of Tea in Kerala and India

Sl. No.	Year	Production		
		India (in M.kg)	Kerala (in M.kg)	Percent of Kerala
1	2005-06	928.00	58.50	6.30
2	2006-07	955.90	59.50	6.20
3	2007-08	944.70	56.00	5.93
4	2008-09	972.77	70.30	7.23
5	2009-10	979.90	68.90	7.03
6	2010-11	966.40	66.80	6.91
7	2011-12	1115.70	61.50	5.51
8	2012-13	1126.30	63.00	5.59
9	2013-14	1200.00	62.80	5.23
10	2014-15	1207.30	65.17	5.40
11	2015-16	1191.10	57.89	4.87

Source: State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.19 : Import of Rubber (2005-06 to 2015-16)

Sl. No.	Year	Import (MT)		
		Natural Rubber	Synthetic Rubber	Total
1	2005-06	45285	132118	177403
2	2006-07	89699	171998	261697
3	2007-08	86394	195705	282099
4	2008-09	77762	190630	268392
5	2009-10	177130	250210	427340
6	2010-11	188337	302030	490367
7	2011-12	213785	327625	541410
8	2012-13	217364	329585	546949
9	2013-14	360263	371839	732102
10	2014-15	442130	402170	844300
11	2015-16	458374	351301	809675

Source: State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.20 : Average Market Price of Natural Rubber in Domestic (Kottayam) and International (Bangkok) Markets (₹/100Kg)

Sl. No.	Year	Kottayam (RSS - 4)	Bangkok (RSS - 3)
1	2005-06	6699	7432
2	2006-07	9204	9779
3	2007-08	9085	9675
4	2008-09	10112	10379
5	2009-10	11498	11113
6	2010-11	19003	19555
7	2011-12	20805	20915
8	2012-13	17146	16432
9	2013-14	16602	15525
10	2014-15	13257	11271
11	2015-16	11306	9636

Source: State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2

Table 6.21 : Monthly Average Farm Price of Agricultural Commodities for the Year 2014-15

Sl. No.	Commodities	Unit	July, 2014	June, 2015
1	Paddy Local	₹./Qtl.	1683.93	1622.73
2	Paddy H/y	₹./Qtl.	1665.59	1577.94
3	Coconut with husk	₹./100 nos.	1457.45	1349.12
4	Areca nut (Ripe)	₹./100 nos.	229.70	186.37
5	Pepper (Dry)	₹./Qtl.	69829.65	59578.41
6	Ginger	₹./Qtl.	9767.05	6416.00
7	Cloves	₹./Kg	941.88	810.83
8	Nutmeg	₹./Kg	254.39	246.5
9	Tapioca	₹./Qtl.	1353.77	957.27
10	Turmeric Dry	₹./Kg	7271.43	8925.00
11	Banana (Local)	₹./Kg	3335.60	3433.77
12	Plantain (Palayam thodan)	₹./Kg	1760.78	1341
13	Plantain (Rasakadali)	₹./Kg	3411.61	2527.50

Source: State Planning Board, Kerala, (2017), Economic Review, 2016, Vol. 2