

### 3. AGRICULTURE

#### 3.1 Soil Classification

Sl. No.	Type of Soil	Places found in the District	Extent (in Hec.)	% of Geographical
1	Red Soil	Kottampatti	137174	36.66
2	Black Soil	Elumalai Chinnakattalai	76064	20.33
3	Brown Soil	Samayanallur Aanaiyur Thumbaipatti	51724	13.82
4	Alluvial Soil	-	2050	0.55
5	Soil Association	-	37278	9.96
6	Miscellaneous	-	6125	1.64
7	Forest And Hills	Thirupparankundram Narasingampatti Sedapatti	53575	14.32
8	Water Bodies Etc.	-	10183	2.72
	<b>Total Geographical Area</b>		<b>374173</b>	<b>100.00</b>

**Source :** Assistant Director of Soil Conservation, Pasumalai, Madurai

#### 3.2 Classification of Land Utilisation

(in Hec)

Sl. No.	Classification	2007-08	2008-09	2009-10	2010-11
1	Forest	48473	48473	48473	48473
2	Barren and Uncultivable uses	13160	13031	13031	13031
3	Land put to Non Agricultural uses	75211	75290	75371	75371
4	Cultivable Waste	6498	6100	6115	14446
5	Permanent Pastures and Other Grazing Land	233	233	233	233
6	Land under Miscellaneous tree Crops and Groves not included in Net Area sown	3033	3095	2956	2981
7	Current Fallows	20573	20304	23288	8658
8	Other fallow land	65167	68501	79439	76234
9	Net Area sown	141825	139146	125267	134745
10	Geographical Area according to village records	374173	374173	374173	374173
11	Total cropped area	150983	150524	127525	137623
12	Area sown more than once	9158	11378	2258	2878

**Source :-** "G" returns from 2007-08 to 2010-11 Asst. Director of Statistics, Madurai.

### 3.3. Area and Production of Crops (From 2007-08 To 2010-11)

Sl. No.	Crop	2007-08		2008-09		2009-10		2010-11	
		Area (in Hec.)	Production (in Tonnes)	Area (in Hec.)	Production (in Tonnes)	Area (in Hec.)	Production (in Tonnes)	Area (in Hec.)	Production (in Tonnes)
<b>I. CEREALS:</b>									
1	Paddy	61864	214880	66699	267228	50987	203616	61064	N.A
2	Cholam	9780	10295	12581	5874	10036	11573	9846	
3	Cumbu	4875	6589	5674	9662	5453	9872	5187	
4	Ragi	145	269	63	135	51	91	51	
5	Korra	0	4	0	0	0	17	0	
6	Varagu	255	278	142	210	133	193	108	
7	Samai	0	0	1	1	0	0	1	
8	Maize	4358	11557	4608	15014	4553	14042	3848	
9	Other cereals	3935	2241	2503	1418	1721	943	2009	
<b>II. PULSES:</b>									
10	Redgram	1954	869	1345	934	1432	1320	1626	N.A
11	Bengalgram	91	55	66	40	100	59	59	
12	Greengram	4190	581	2939	655	3013	663	3355	
13	Blackgram	2071	539	965	304	1045	397	1036	
14	Horsegram	29	13	62	29	114	53	20	
15	Other pulses	2904	505	1925	335	1884	328	1832	
<b>III. OIL SEEDS:</b>									
16	Groundnut	4687	8769	4578	9071	3191	4900	2960	N.A
17	Gingelly	725	109	905	355	1149	402	693	
18	Sunflower	447	410	269	359	156	207	94	
<b>IV. COMMERCIAL CROPS:</b>									
19	Cotton	7478	11450	7207	13369	5839	8408	6896	N.A
20	Sugarcane	5827	567905	5199	592186	3836	260094	3571	
21	Banana	2792	133292	2680	134413	2504	107662	2365	
22	Coriander	311	119	263	90	331	131	402	
23	Chillies	1155	584	924	612	801	428	549	
24	Onion	931	11684	581	5492	680	5223	1042	

**Source :-** "G" Returns from 2007-08 to 2010-11 - Assistant Director of Statistics, Madurai-  
 - For Area  
 Department of Economics & Statistics, Chennai -for production

### 3.4 Agricultural Implements and Machinery

Sl. No	Item	1997 survey	2004 survey
<b>I</b>	<b>Ploughs:</b>		
a	Wooden	41512	25297
b	Iron	-	9202
	Total	41512	34499
<b>II</b>	<b>Water Pumps for Irrigation Purpose:</b>		
a	Worked by Oil Engine	5733	2281
b	Worked by Electric Power	21127	15363
	Total	26860	17644
<b>III</b>	<b>Tractor:</b>		
a	Government	-	31
b	Private	1214	1226
	Total	1214	1257
<b>IV</b>	<b>Sugarcane Crushers:</b>		
a	Worked by power	179	232
b	Worked by Bullocks	-	7
	Total	179	239
<b>V</b>	<b>Oil Ghans :</b>		
a	5 Kg. & above	169	414
b	Less than 5 kg.	-	--
	Total	169	414

**Source :** Quinquennial Livestock Census 16<sup>th</sup> (1997) and 17<sup>th</sup> (2004)  
Department of Economics & Statistics, Chennai.

### 3.5 Land Holdings and Area

Sl. No.	Size	Number				Area ( in Ha.)			
		SC	Others	Inst	Total	SC	Others	Inst	Total
1	Below 0.5	11240	186130	381	197751	2410	42933	95	45438
2	0.5-1.0	2882	59252	201	62335	2033	41296	146	43475
3	1.0-2.0	1824	34684	199	36707	2373	47561	298	50232
4	2.0-3.0	357	9081	84	9522	884	21804	3	22891
5	3.0-4.0	106	3216	38	3360	366	11035	129	11530
6	4.0-5.0	52	1301	37	1390	234	5783	163	6180
7	5.0-7.5	36	903	29	968	205	5361	178	5744
8	7.5-10.0	9	276	18	303	79	2355	153	2587
9	10.0-20.0	4	145	38	187	52	1851	550	2453
10	20 Hec. and above	1	29	18	48	22	1045	707	1774
	<b>TOTAL</b>	<b>16511</b>	<b>295017</b>	<b>1043</b>	<b>312571</b>	<b>8658</b>	<b>181024</b>	<b>2622</b>	<b>192304</b>

**Source :** 8<sup>th</sup> Agricultural census 2005-2006, Assistant Director of Statistics, Madurai.

### 3.6. Consumption of Chemical Fertilizers and Pesticides

2010-11

(in Metric Tonne)

Fertilisers (MT)					Pesticides (MT)	
Urea	Phosphoric (P <sub>2</sub> O <sub>5</sub> )	Pottassic (K <sub>2</sub> O)	Complex	Total	Dust (kgs.)	Liquid (Lit.)
45473	12469	16875	23648	98465	97.56	67.065

**Source :** Joint Director of Agriculture, Madurai

### 3.7 Regulated Markets Year : 2010-11

Sl. No.	Name of the Regulated Market	Commodities transacted	Qty. arrivals (in M.T.)	Receipts (Rs. in lakhs) (Inside & Outside Regulated market)	Godown (Stock)	
					Qty. (in Tonne)	Value (in lakhs)
1	Madurai	Paddy	12817.365	133.605	1579.759	161.258
2	T.Vadipatti	Paddy	1122.269	1.333	128.730	13.863
3	Usilampatti	Paddy	2490.956	3.300	1167.645	113.351
4	Melur	Paddy	718.328	2.380	--	--
5	Thirumangalam	Paddy	538.068	1.044	754.988	63.809
6	T.Kallupatti	Paddy	2783.020	3.220	--	--
	<b>Total</b>		<b>20470.006</b>	<b>144.882</b>	<b>3631.122</b>	<b>352.281</b>

**Source :** District Marketing committee, Madurai.

### 3.8 National Agricultural Insurance Scheme for the Fasli Year 1420

Sl. No	Name of the crop	Name of the Blocks notified	No. of experiments	Premium collected Rs.	No. of Beneficiaries	
					No.	Amt Rs.
1	PADDY I (Kuruvai)	Madurai East	70	45778	97	3662000
		Madurai West	50			
		Melur	50			
		Vadipatti	30			
		Alanganallur	40			
		Usilampatti	20			
		Chellampatti	30			
	<b>Total</b>	<b>290</b>				
2	PADDY II (Samba)	Madurai East	70	3081689	10130	318272574
		Madurai West	50			
		Thirupparankundram	70			
		Melur	50			
		Kottampatti	30			
		Vadipatti	30			
		Alanganallur	40			
		Usilampatti	20			
		Chellampatti	30			
		T.Kallupatti	30			
		Sedapatti	30			
		Thirumangalam	30			
		Kalligudi	30			
	<b>Total</b>	<b>510</b>				
3	PADDY III (Summer)	Madurai East	70	197764	559	19830530
		Madurai west	50			
		Thirupparankundram	30			
		Vadipatti	30			
		Chellampatti	30			
	<b>Total</b>	<b>210</b>				

Source: Managing Director /Special Officer of M.D.C.C Bank, Madurai.

### 3.9 Sericulture 2010-11

Sl. No.	Name of the Block	Area under Mulberry (Acres)	Laying Consumption	Production of Cocoons	
				Kgs.	Value (in Rs.)
1	Madurai East	16.25	6950	4395	594025/-
2	Madurai West	5.00	2100	1250	162500/-
3	Alanganallur	53.00	22,120	14250	1924150/-
4	Vadipatti	31.75	12450	7940	1151100/-
5	Usilampatti	20.50	8600	5370	698100/-
6	Sedapatti	40.50	17415	10795	1295400/-
7	Kalligudi	5.50	236.5	1465	190450/-
8	T.Kallupatti	7.00	3365	2085	260625/-
9	Thirupparankundram	10.50	4300	2665	319800/-
10	Melur	24.50	8025	5131	692685/-
11	Kottampatti	8.00	3650	2264	294450/-
12	Thirumangalam	41.00	17630	10930	1311600/-
	<b>TOTAL</b>	<b>263.50</b>	<b>108970</b>	<b>68540</b>	<b>8894885/-</b>

Source : Assistant Director of Sericulture, Theni