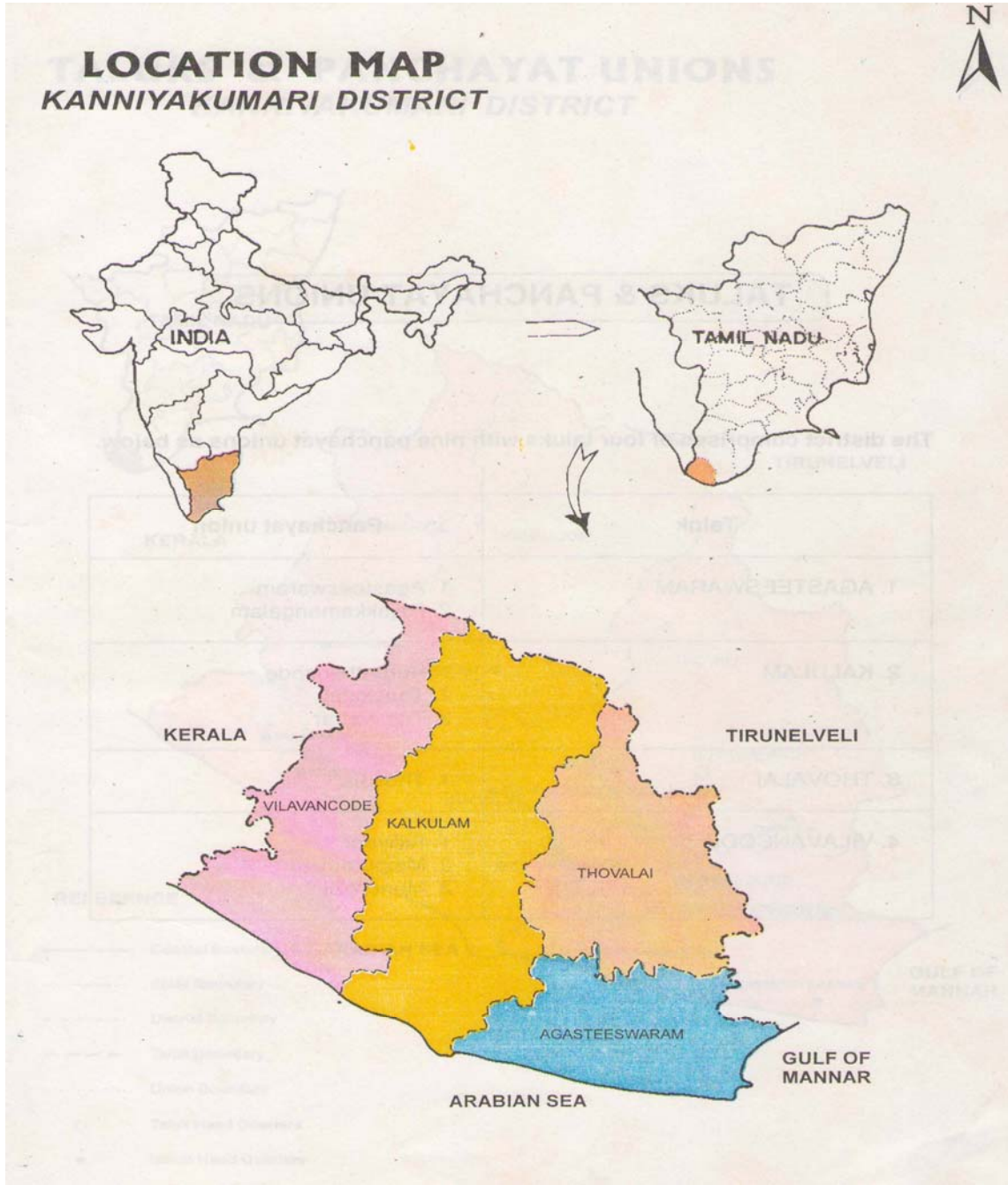


DISTRICT PROFILE

1. Name of the District : Kanniyakumari
2. Geographical Position*
North Latitude Between $^{\circ}$ ' and $^{\circ}$ ' : $8^{\circ} - 03'$ to $8^{\circ} - 35'$
East Longitude Between $^{\circ}$ ' and $^{\circ}$ ' : $77^{\circ} - 15'$ to $77^{\circ} - 36'$



3. Total Geographical area : 1672 Sq.km
4. District Headquarters name : Nagercoil

5. Demographic details

| S. No | Particulars | Value | |
|--------------|---|--------------------|---------------------------------|
| i) | Population | | |
| | Male | 832269 | |
| | Female | 843765 | |
| | Total Population | 1676034 | |
| | Rural | 582107 | |
| | Urban | 1093927 | |
| ii) | Population density / Sq. km | 1002 | |
| iii) | Literates | | |
| | Male (%) | 668667 (51.11%) | |
| | Female (%) | 639655 (48.89%) | |
| | Total (%) | 1308322 (100%) | |
| iv) | Details on SC/ST population | SC | ST |
| | Male | 33365 | 2678 |
| | Female | 34347 | 2765 |
| | Total Population | 67712 | 5443 |
| | Rural | 26848 | 3561 |
| | Urban | 40864 | 1882 |
| | Total | 67712 | 5443 |
| | Literacy rate (%) | | |
| | Rural | 20298 | 2049 |
| | Urban | 30640 | 1366 |
| | Total | 50938 | 3415 |
| | Literacy rate (%) | | |
| | Male | Not available | |
| | Female | Not available | |
| | Total | Not available | |
| v) | Labour profile | Value | Percent to total workers |
| a) | Total workers | 548056 | 32.7 |
| b) | Male workers | 440720 | |
| c) | Female workers | 107336 | |
| d) | Rural workers | 195204 | |
| e) | Urban workers | 352852 | |
| f) | Cultivators | 15659 | 2.45 |
| g) | Agricultural Labourers | 82733 | 10.36 |
| h) | Household industry | 36065 | 4.37 |
| i) | Other workers | 413599 | 65.72 |
| j) | Marginal workers | 93678 | 17.09 |
| k) | Non-workers | 1127978 | |
| l) | Average labour wages for farm operations (Rs./manday of seven to nine hours) | Skilled job | Unskilled job |
| | Peak seasons | | |
| | Male | | |
| | Female | | |

| | | | | |
|------|---|--------------------|----------------------|----------|
| | Lean seasons | | | |
| | Male | | | |
| | Female | | | |
| | Average labour wages for farm operations (Rs./manday of five to six hours) | Skilled job | Unskilled job | |
| | Peak seasons | | | |
| | Male | | | |
| | Female | | | |
| | Lean seasons | | | |
| | Male | | | |
| | Female | | | |
| vi) | Major languages spoken in the district | Tamil, Malayalam | | |
| vii) | Details on Birth-Death Rate (per 1000 population) | Rural | Urban | Combined |
| | Birth Rate | 14 | 23 | 14 |
| | Death Rate | 5 | 7 | 6 |
| | Infant Mortality Rate (Per 1000 live birth) | 11 | 18 | 8 |
| | Expectation of life in years | | | |
| | Male | 70 | | |
| | Female | 70 | | |

Source : 2001 Census

6. Taluk details

| S. No | Name of the taluk | Total area in ha | Taluk HQ |
|-------|-------------------|------------------|-------------|
| 1 | Agasteeswaram | 27755 | Nagercoil |
| 2 | Thovalai | 36907 | Boothapandi |
| 3 | Vilavancode | 43174 | Kuzhithurai |
| 4 | Kalkulam | 59363 | Thuckalay |

7. Block details

| Sl. No | Name of the block | Total area in ha | Number of Panchayats | Number of Villages | Total Population inclusive of SC / ST population | | | SC / ST population | | |
|--------|-------------------|------------------|----------------------|--------------------|--|--------|--------|--------------------|--------|-------|
| | | | | | Male | Female | Total | Male | Female | Total |
| 1 | Agasteeswaram | 13802 | | 10 | 73260 | 75159 | 148419 | 6493 | 6825 | 13318 |
| 2 | Rajakkamangalam | 13953 | | 10 | 171026 | 174407 | 345433 | 6753 | 6998 | 13751 |
| 3 | Thovalai | 36907 | | 13 | 55057 | 55662 | 110719 | 6548 | 6523 | 13071 |
| 4 | Kurunthan code | 11203 | | 8 | 81823 | 83247 | 165070 | 2844 | 2879 | 5723 |
| 5 | Thuckalay | 13680 | | 8 | 92455 | 94882 | 187337 | 3572 | 3682 | 7254 |
| 6 | Thiruvattar | 34480 | | 9 | 80220 | 81399 | 161619 | 3011 | 3035 | 6046 |
| 7 | Munchirai | 7201 | | 7 | 89122 | 88103 | 177225 | 2404 | 2557 | 4961 |
| 8 | Melpuram | 27703 | | 9 | 98647 | 101391 | 200038 | 2576 | 2798 | 5374 |
| 9 | Killiyoor | 8270 | | 7 | 90659 | 89515 | 180174 | 1842 | 1815 | 3657 |

8. Block wise Literacy Rate (%)

| Sl. No | Name of the block | Other than SC / ST population | | | SC / ST population | | | Total Literacy Rate | | |
|--------|-------------------|-------------------------------|--------|-------|--------------------|--------|-------|---------------------|--------|-------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1 | Agasteeswaram | 44.99 | 46.04 | 91.03 | 4.37 | 4.60 | 8.97 | 50.62 | 49.38 | 100 |
| 2 | Rajakamangalam | 47.56 | 48.46 | 96.02 | 1.95 | 2.03 | 3.98 | 50.98 | 49.02 | 100 |
| 3 | Thovalai | 43.81 | 44.38 | 88.19 | 5.91 | 5.89 | 11.81 | 51.8 | 48.2 | 100 |
| 4 | Kurunthancode | 47.85 | 48.69 | 96.53 | 1.72 | 1.74 | 3.47 | 50.73 | 49.27 | 100 |
| 5 | Thcukalay | 47.45 | 48.68 | 96.13 | 1.91 | 1.97 | 3.87 | 50.57 | 49.43 | 100 |
| 6 | Thiruvattar | 47.77 | 48.49 | 96.26 | 1.86 | 1.88 | 3.74 | 50.95 | 49.05 | 100 |
| 7 | Killiyoor | 48.93 | 48.27 | 97.20 | 1.36 | 1.44 | 2.80 | 51.84 | 48.16 | 100 |
| 8 | Munchirai | 48.03 | 49.29 | 96.51 | 1.29 | 1.40 | 3.49 | 52.00 | 48.00 | 100 |
| 9 | Melpuram | 49.30 | 48.68 | 97.97 | 1.02 | 1.01 | 2.03 | 51.42 | 48.58 | 100 |

9. Educational and other infrastructural facilities of latest available year

| S. No | Particulars | Numbers / Values |
|-----------|--|------------------|
| 01 | Educational facilities | |
| a) | Pre-primary school | 32 |
| b) | Primary | 396 |
| c) | Middle | 161 |
| d) | High | 127 |
| e) | Higher-Secondary | 128 |
| 02 | Professional colleges | |
| a) | Medical | |
| | i) Allopathy | 3 |
| | ii) Indian Medicine | 1 |
| | iii) Homeopathy | 2 |
| b) | Engineering | 18 |
| c) | Agriculture | Nil |
| d) | Veterinary / Fisheries | Nil |
| e) | Others (Please specify) | |
| | i) Teachers Training Institute | 16 |
| | ii) College for special education (Polytechnic) | 9 |
| | iii) Nursing college | 5 |
| | iv) ICDS | 1359 |
| | v) Private Nursery | 315 |
| | vi) Colleges for professional education(B.Ed) | 24 |
| | vii) Diploma in Agriculture, Horticulture Research Station, Pechiparai | 1 |
| 03 | Number of Arts and Science Colleges | 20 |
| 04 | Institutional Credit Facility | |
| a) | Name of the Lead Bank | IOB |
| b) | Number of branches of lead bank in the district | 31 |
| c) | Other Commercial Banks | 35 |
| d) | Primary Land Development Bank | - |

| | | |
|-----------|---|----------|
| e) | District Central Co-operative Banks | 1 |
| f) | Urban Banks | 1 |
| g) | Primary Agricultural Co-operative Credit Society | 112 |
| h) | Housing Co-operative Societies | - |
| i) | Employees Co-operative Societies | 41 |
| j) | Weavers Co-operative Society | - |
| k) | Industrial Co-operative Society | 1 |
| l) | Khadi and Village Industries Societies | - |
| m) | Industrial Co-operative Societies | 1 |
| n) | Primary Co-operative Stores | 13 |
| o) | Co-operative Sugar mills | - |
| p) | Other Marketing Society (please specify) | - |
| 05 | Agricultural Marketing and Processing | |
| a) | Number of Regulated Markets | 6 |
| b) | Number of Co-operative Marketing Society | |
| c) | Number of Permanent Markets / Central Markets | |
| d) | Number of weekly markets / shanties | |
| e) | Number of drying yards | |
| f) | Number of storage godowns a) Warehousing godowns b) Rural godowns | 153 5 |
| g) | Number of cold storage units for agricultural produce | |
| h) | Number of agro based / agri-based processing industries | |
| i) | Small scale | |
| ii) | Medium scale | |
| iii) | Large scale | |

10. Agro-climatic features

a) Rainfall pattern during 2008-09

| S.No | Month | Rainfall in m.m | | |
|------|--------------|-----------------|--------|-------------|
| | | Actual | Normal | % deviation |
| 01 | January'09 | 1.2 | 14.8 | -91.89 |
| 02 | February'09 | 0.0 | 18.6 | -100 |
| 03 | March'09 | 87.8 | 38.4 | 128.65 |
| 04 | April'09 | 81.0 | 87.4 | -7.32 |
| 05 | May'09 | 137.5 | 91.6 | 50.11 |
| 06 | June' 08 | 34.1 | 126.5 | -73.04 |
| 07 | July'08 | 253.5 | 76.9 | 229.65 |
| 08 | August'08 | 158.9 | 60 | 164.83 |
| 09 | September'08 | 162.1 | 64.4 | 151.71 |
| 10 | October '08 | 409.6 | 179 | 128.83 |
| 11 | November '08 | 194.9 | 182.1 | 7.03 |
| 12 | December '08 | 30.7 | 65.4 | -53.06 |

b) Temperature prevailed during 2008-09

| S.No | Month | Mean Maximum ° C | | | Mean Minimum ° C | | |
|------|--------------|------------------|--------|-------------|------------------|--------|-------------|
| | | Actual | Normal | % deviation | Actual | Normal | % deviation |
| 01 | January'09 | 31.0 | 30.8 | 0.65 | 23.5 | 23.3 | 0.86 |
| 02 | February'09 | 32.4 | 31.5 | 2.86 | 23.4 | 23.7 | -1.27 |
| 03 | March '09 | 33.4 | 32.1 | 4.05 | 25.3 | 25 | 1.20 |
| 04 | April'09 | 32.8 | 32.7 | 0.31 | 26.3 | 26.1 | 0.77 |
| 05 | May'09 | 32.0 | 32.6 | -1.84 | 26.2 | 26.1 | 0.38 |
| 06 | June '08 | 30.8 | 30.6 | 0.65 | 23.3 | 24.5 | -4.90 |
| 07 | July '08 | 30.9 | 30.3 | 1.98 | 23.3 | 24 | -2.92 |
| 08 | August'08 | 30.7 | 30.5 | 0.66 | 23.5 | 23.9 | -1.67 |
| 09 | September'08 | 30.7 | 30.6 | 0.33 | 23.5 | 24.2 | -2.86 |
| 10 | October '08 | 30.9 | 30.5 | 1.31 | 24.4 | 24.2 | 0.81 |
| 11 | November '08 | 30.7 | 30.3 | 1.32 | 23.5 | 23.9 | -1.70 |
| 12 | December '08 | 30.2 | 30.3 | -0.33 | 23.7 | 23.7 | 0.0 |

c) Relative humidity during 2008-09

| S.No | Month | Average Relative humidity (%) | | | | | |
|------|--------------|-------------------------------|-----------|----------|-----------|-------------|-----------|
| | | Actual | | Normal | | % deviation | |
| | | 8.30 hrs | 17.30 hrs | 8.30 hrs | 17.30 hrs | 8.30 hrs | 17.30 hrs |
| 01 | January'09 | 79 | 79 | 80 | 77 | -22.27 | -18.47 |
| 02 | February'09 | 79 | 79 | 80 | 77 | -22.27 | -18.47 |
| 03 | March '09 | 77 | 82 | 77 | 77 | -23.00 | -11.90 |
| 04 | April'09 | 76 | 81 | 77 | 78 | -25.32 | -15.30 |
| 05 | May'09 | 77 | 77 | 78 | 79 | -24.30 | -25.60 |
| 06 | June '08 | 77 | 77 | 76 | 74 | -21.70 | -19.10 |
| 07 | July '08 | 72 | 61 | 72 | 68 | -28.00 | -50.48 |
| 08 | August'08 | 67 | 55 | 69 | 67 | -35.99 | -66.82 |
| 09 | September'08 | 64 | 62 | 68 | 68 | -42.25 | -47.68 |
| 10 | October '08 | 66 | 65 | 69 | 69 | -38.55 | -41.15 |
| 11 | November '08 | 71 | 73 | 72 | 72 | -30.41 | -25.63 |
| 12 | December '08 | 74 | 76 | 75 | 75 | -27.35 | -22.68 |

11. Land details

a) Nine fold classification of land and other land details during 2008-09

| S.No | Particulars | Area in ha | % to the Total geographical area |
|------|--|------------|----------------------------------|
| 01 | Total geographical area | 167199.999 | |
| 02 | Area under Forest | 54155 | 32.39 |
| 03 | Barren and uncultivable land | 4005.661 | 2.40 |
| 04 | Land put into non-agricultural uses | 28255.982 | 16.90 |
| 05 | Cultivable waste | - | 0.00 |
| 06 | Permanent pastures and other grazing lands | 103.6 | 0.06 |
| 07 | Miscellaneous tree crops and grooves not included in the net area sown | 708.469 | 0.42 |

| | | | |
|-----|--------------------------|-----------|-------|
| 08 | Current Fallow | - | 0.00 |
| 09 | Other Fallow | - | 0.00 |
| 10 | Net Area Sown | 79971.257 | 47.83 |
| 11 | Area sown more than once | 11026.754 | - |
| 12. | Gross Cropped Area | 90998.011 | - |

b) Details on operational holdings 2009-10

| S. No | Classification category | Category area* | Operational area in ha | % to total operational area | Number of holdings | % to total number of holdings |
|-------|-------------------------|----------------|------------------------|-----------------------------|--------------------|-------------------------------|
| 01 | Marginal | < 1ha | 57307.06 | 67.549 | 320003 | 96.96 |
| 02 | Small | 1-2 ha | 8991.29 | 10.598 | 6719 | 2.04 |
| 03 | Small-semi medium | 2-4 ha | 6340.95 | 7.474 | 2371 | 0.72 |
| 04 | Medium | 5-10 ha | 4195.43 | 4.945 | 742 | 0.22 |
| 05 | Large | >10 ha | 8002.79 | 9.433 | 218 | 0.07 |
| | Total | | 84837.52 | | 330053 | |

*Category area varies between states

12) Irrigation Resources

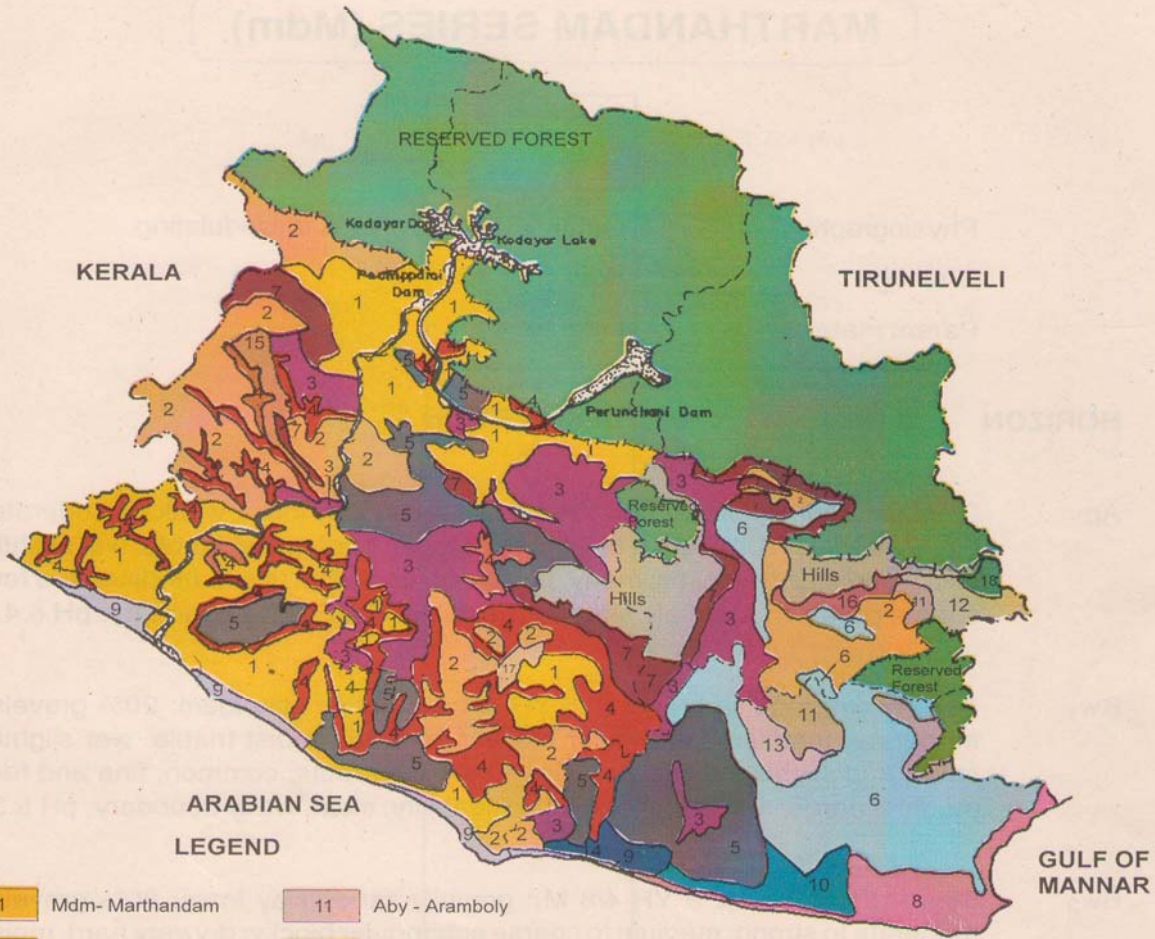
| S. No | Particulars | Number | Other related particulars | Value / details |
|-------|----------------------------|--------|---------------------------|-----------------|
| 01 | Canals | | | |
| | Government | 53 | Length in km | |
| | Private | - | Length in km | |
| 02 | Tanks | 2623 | | |
| | < 40 ha | - | | |
| | =>40 ha | | - | - |
| 03 | Wells | | | |
| | Open wells | 2051 | | |
| | Bore wells | | | |
| | Dug cum bore wells | | | |
| | Tube wells | 1303 | | |
| | Filter point tube wells | | | |
| | Artisan wells | | | |
| 04 | Other major sources if any | | | |

13) Soil resources and type *

| Sl. No | Name of the block | Soil type | Major nutrients which are deficient | Micro-nutrients which are deficient |
|---------------|--------------------------|---|---|--|
| 1 | Agasteeswaram | Typic Udipoammenta | Nitrogen, Phosphorus | Zinc, Iron, Copper, Boron |
| 2 | Rajakamangalam | Typic Hapludalfs Typic Underthents Fluventic Dystropepts Typic Dyssttropepts Udic Rdodudalfs Udic Hapludalfs Aquic Hapludalfs | Nitrogen, Phosphorus | Zinc, Iron, Copper, Boron |
| 3 | Thovalai | Typic Dyatyipspts Fluvantic Dystropepts Typic Haplludalfs Lithic Usorthents Paralithic Ustorhents Udic Hapludalfs Typic Ustropets | Nitrogen, Phosphorus, Potash | Zinc, Copper, Boron |
| 4 | Kurunthancode | Typic Dystropets | Nitrogen, Phosphorus | Zinc, Copper, Boron |
| 5 | Thuckalay | Aquic Hapludalfs Udic Ehodudalfs Udic Hapludalfe | Nitrogen, Phosphorus, Potash, Calcium and Magnesium | Zinc, Copper, Boron |
| 6 | Thiruvattar | Lithic Udorthents Fluventic Dystripepte Typic Udipsaments | Nitrogen, Phosphorus, Potash, Calcium and Magnesium | Zinc, Copper, Boron |
| 7 | Killiyoor | Typic Dystropepts Udihapludalfs Parlithic Uderthents | Nitrogen, Phosphorus, Potash, Calcium and Magnesium | Zinc, Copper, Boron |
| 8 | Munchirai | Auic Hapludalfs Udichepludalfs Lithic Udorthents | Nitrogen, Phosphorus, Potash, Calcium and Magnesium | Zinc, Copper, Boron |
| 9 | Melpuram | Paralithic Dystropepts Typic Mallic Dyestopents | Nitrogen, Phosphorus, Potash, Calcium and Magnesium | Zinc, Copper, Boron |

DISTRICT SOIL PROFILE MAP

SOILS KANNIYAKUMARI DISTRICT



| LEGEND | |
|--------|-----------------------|
| 1 | Mdm- Marthandam |
| 2 | Tvt - Thiruvattar |
| 3 | Nvd - Navalkadu |
| 4 | Tky - Thuckalay |
| 5 | Clc - Colachal |
| 6 | Scm - Suchindram |
| 7 | Kml - Kumarakovil |
| 8 | Kki - Kanyakumari |
| 9 | Tgp - Thengaipattinam |
| 10 | Tpd - Thengampudur |
| 11 | Aby - Aramboly |
| 12 | Ktm - Kottaram |
| 13 | Thr - Therur |
| 14 | Dpm - Dharmapuram |
| 15 | Mlc - Mullucode |
| 16 | Tkd - Thalakudi |
| 17 | Klk - Kalkulam |
| 18 | Tvl - Thoivalai |
| | Reserved Forest |
| | Hills |

REFERENCE

| | |
|-------------------|-----------|
| Coastal Boundary | ————— |
| State Boundary | - - - - - |
| District Boundary | - - - - - |
| Taluk Boundary | - - - - - |
| Rivers | ~~~~~ |

MARTHANDAM SERIES (Mdm)

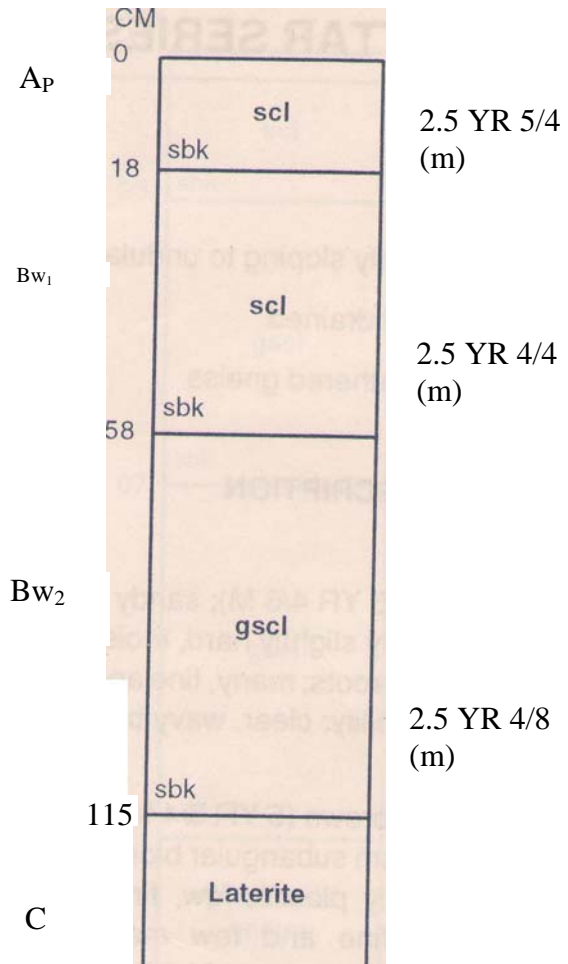
| | | |
|-----------------|----|--------------------------------------|
| Physiography | .. | Gently sloping Uplands to Undulating |
| Drainage | .. | Well drained |
| Parent material | .. | Laterite |

HORIZON

DESCRIPTION

| | |
|-----------------|---|
| Ap | 0 -18cm; reddish brown (2.5 YR 5/4 M); sandy clay loam; weak to moderate, fine to medium subangular blocky; dry slightly hard, moist friable, wet slightly sticky and slightly plastic; many, fine roots; common, fine to medium and few coarse pores; moderately slow permeability; clear, wavy boundary; pH 5.4. |
| Bw ₁ | 18-58 cm; reddish brown (2.5 YR 4/4 M); sandy clay loam; 20% gravels; moderate, medium subangular blocky; dry hard, moist friable, wet slightly sticky and slightly plastic; few, fine to medium roots; common, fine and few medium pores; moderately slow permeability; clear, wavy boundary; pH 5.3. |
| Bw ₂ | 58-115 cm; red (2.5 YR 4/8 M); gravelly sandy clay loam; 30% gravels; moderate to strong, medium to coarse subangular blocky; dry very hard, moist firm, wet slightly sticky and slightly plastic; common, fine to coarse ferro manganese concretions; few, fine to coarse roots; common fine and few medium pores; moderately slow permeability; pH 5.1. |
| C | 115 ⁺ cm; laterite |

MARTHANDAM SERIES (Mdm)



Soil Taxonomy : Fine loamy, mixed, isohyperthermic Typic Dystropepts

THIRUVATTAR SERIES (Tvt)

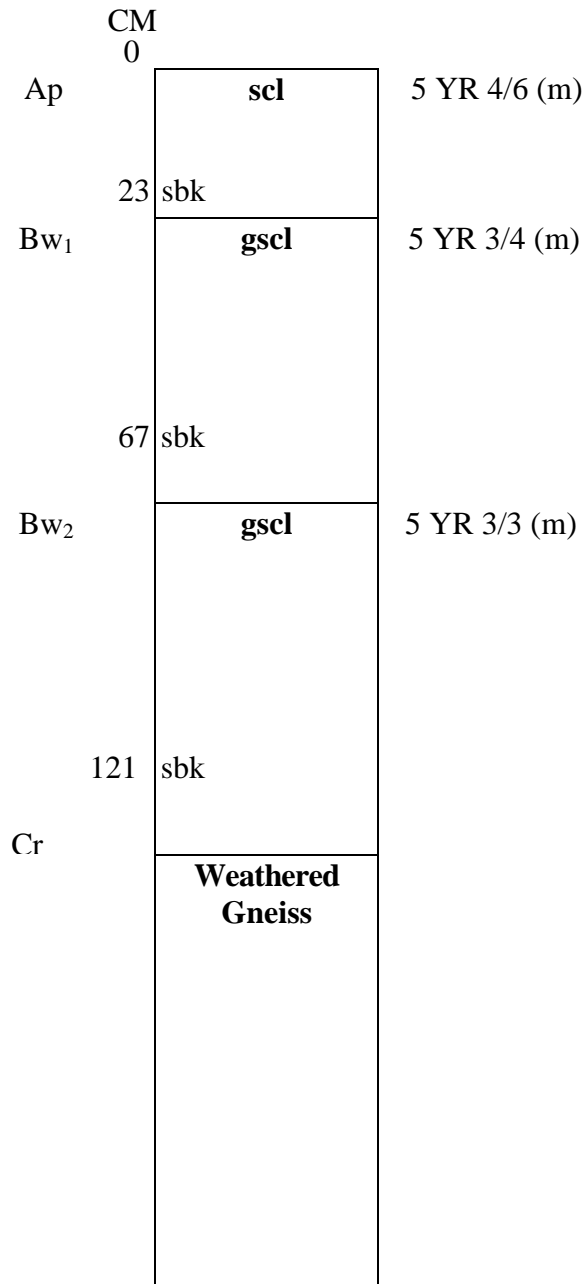
| | | |
|--------------------|-----|------------------------------|
| Physiography | ... | Gently sloping to undulating |
| Drainage | ... | well drained |
| Parent material... | | Weathered gneiss |

HORIZON

DESCRIPTION

| | |
|-----------------|--|
| Ap | 0-23 cm; yellowish red (5 YR 4/6 M); sandy clay loam; 15% gravels; weak, fine subangular blocky; dry slightly hard, moist friable, wet slightly sticky and slightly plastic; many, fine roots; many, fine and few, medium to coarse pores; moderately slow permeability; clear, wavy boundary; pH 6.0 |
| Bw ₁ | 23 - 67 cm; dark reddish brown (5 YR 3/4 M); gravelly sandy clay loam; 25% gravels; moderate, medium sub angular blocky; dry very hard, moist firm, wet slightly sticky and slightly plastic; few, fine to medium Ferro manganese concretions; common, fine and few medium pores; moderately rapid permeability; clear, wavy boundary; pH 5.8. |
| Bw ₂ | 67 -121 cm; dark reddish brown (5 YR 3/3 M); gravelly sandy clay loam; 35% gravels; moderate to strong, medium to coarse sub angular blocky; dry very hard, moist firm, wet slightly sticky and slightly plastic; common, fine to medium Ferro manganese concretions; moderately rapid permeability; pH 5.9. |
| Cr | 121 ⁺ cm; weathered gneiss. |

THIRUVATTAR SERIES (Tvt)



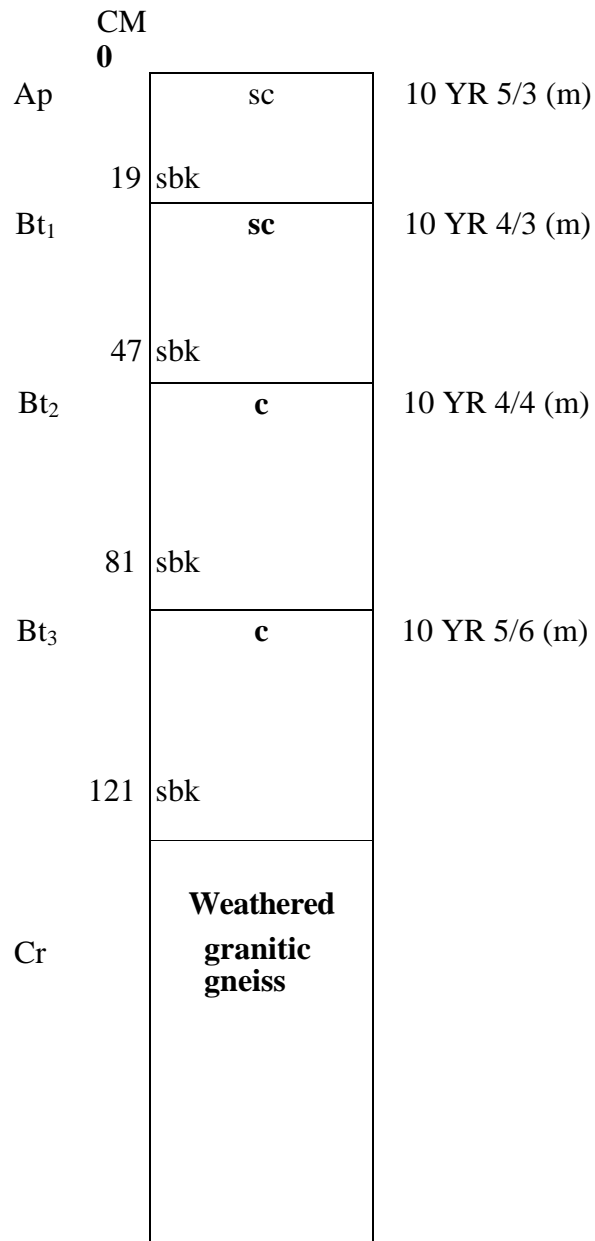
Soil Taxonomy : Fine loamy, mixed, isohyperthermic Typic Eutropepts

NAVALKADU SERIES (Nvd)

| | | |
|-----------------|-----|---------------------|
| Physiography | .. | Plain |
| Drainage | .. | imperfectly drained |
| Parent material | ... | Granitic gneiss |

| HORIZON | DESCRIPTION |
|-----------------|---|
| Ap | 0 - 19 cm; brown (10 YR 5/3 M); sandy clay; moderate, medium subangular blocky; dry hard, moist slightly firm, wet sticky and plastic; common, fine to medium roots; common fine and few medium pores; slow permeability; clear, wavy boundary; pH 5.9. |
| Bt ₁ | 19 - 47 cm; brown (10 YR 4/3 M); sandy clay; moderate to strong, medium to coarse subangular blocky; dry very hard, moist firm, wet sticky and plastic; thin, patchy clay films; few fine roots; common, fine pores; slow permeability; clear, wavy boundary; pH 5.9. |
| Bt ₂ | 47 - 81 cm; dark yellowish brown (10 YR 4/4 M); clay; strong, coarse subangular blocky; dry very hard, moist firm, wet very sticky and plastic; thin, patchy clay films; few fine ferro manganese concretions; very fine pores; very slow permeability; clear, smooth boundary; pH 5.7. |
| Bt ₃ | 81 - 121cm; yellowish brown (10 YR 5/6 M); clay; strong, coarse subangular blocky; dry very hard, moist firm, wet very sticky and very plastic; thin, patchy clay films; common, fine to medium ferro manganese concretions; very fine pores; very slow permeability; pH 5.6. |
| Cr | 121 ⁺ cm; weathered granitic gneiss. |

NAVALKADU SERIES (Nvd)



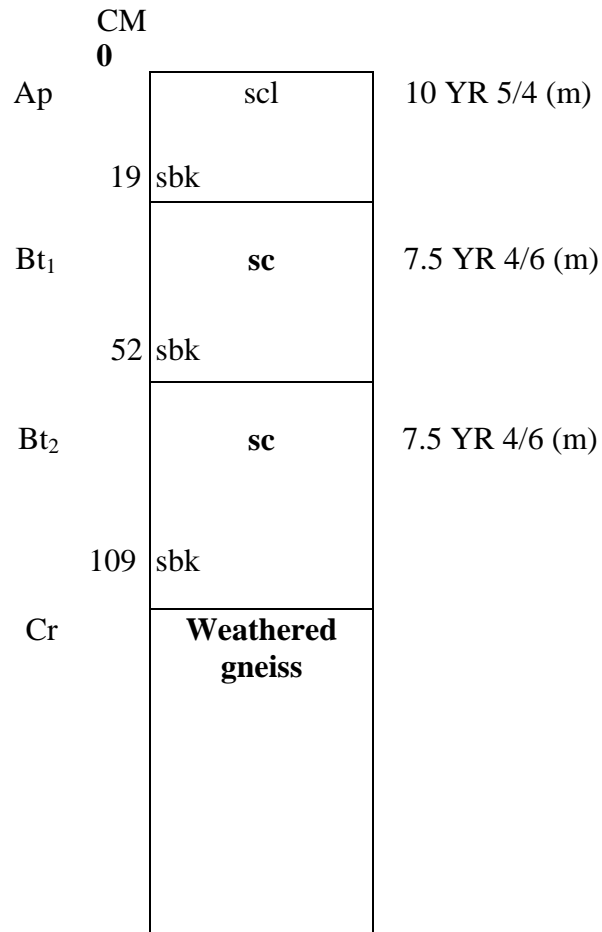
Soil Taxonomy : Fine, mixed, isohyperthermic Typic Tropudalfs

THUCKALAY SERIES (Tky)

| | |
|--------------------------|---|
| Physiography | Almost Plain lands |
| Drainage Parent material | Imperfectly drained Weathered gneiss |

| HORIZON | DESCRIPTION |
|-----------------|---|
| Ap | 0-19 cm; yellowish brown (10 YR 5/4 M); sandy clay loam; weak to moderate, fine to medium subangular blocky; dry slightly hard, moist friable, wet slightly sticky and slightly plastic; many fine roots; many fine to medium and few coarse pores; slow permeability; clear, wavy boundary; pH 6.0. |
| Bt ₁ | 19 - 52 cm; strong brown (7.5 YR 4/6 M); sandy clay; moderate, medium subangular blocky; dry hard, moist firm, wet sticky and plastic; thin, patchy clay films on ped faces; few, fine roots; common, fine and few medium pores; slow permeability; clear, wavy boundary; pH 5.8. |
| Bt ₂ | 52 - 109 cm; strong brown (7.5 YR 4/6 M); sandy clay; moderate to strong, medium to coarse subangular blocky; dry very hard, moist firm, wet sticky and plastic; thin, patchy clay films; many, distinct, very dark gray (10 YR3/1)ferro manganese mottlinos; common, fine pores; very slow permeability; pH 5.8. |
| Cr | 109 ⁺ cm; weathered gneiss. |

THUCKALAY SERIES (Tky)



Soil Taxonomy : Fine, mixed, isohyperthermic Aquic Tropudalfs

COLACHAL SERIES (Clc)

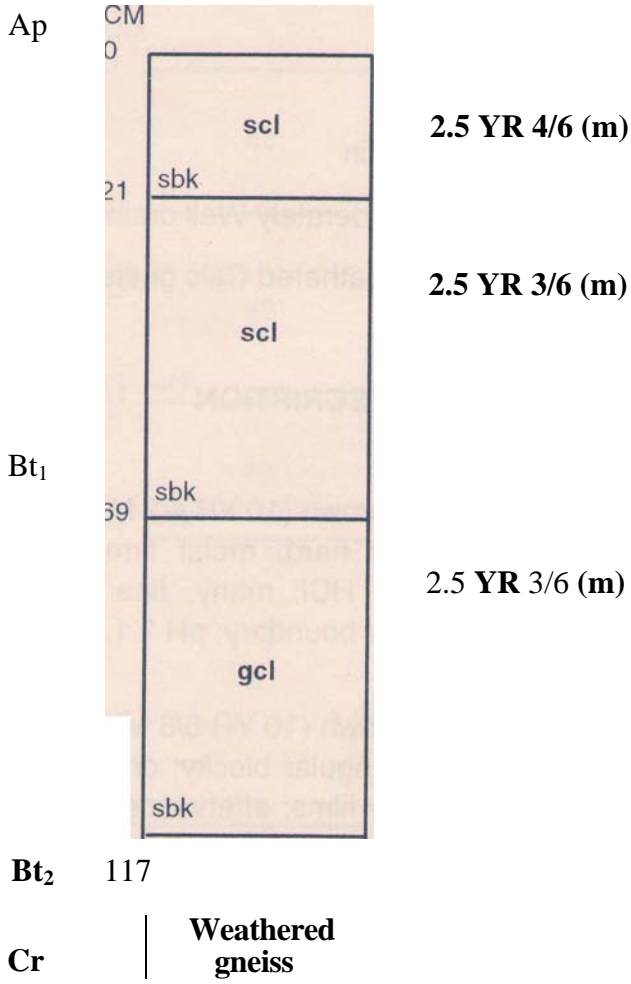
| | | |
|-----------------|---|------------------------|
| Physiography | : | Gently sloping uplands |
| Drainage | : | Well drained soils |
| Parent material | : | Weathered gneiss |

HORIZON

DESCRIPTION

| | |
|-----------------|--|
| Ap | 0-21 cm; red (2.5 YR 4/6 M); sandy clay loam; moderate, medium subangular blocky; dry hard, moist very friable, wet slightly sticky and slightly plastic; common, fine roots; many fine, common medium and few coarse pores; moderately rapid permeability; clear, smooth boundary; pH 5.9. |
| Bti | 21 - 69 cm; dark red (2.5 YR 3/6 M); sandy clay loam; 20% gravels; moderate to strong, medium to coarse subangular blocky; dry hard, moist friable, wet slightly sticky and slightly plastic; thin, patchy clay films; few, fine to medium, irregular ferro manganese concretions; few fine roots; many fine and few medium pores; moderately slow permeability; gradual, wavy boundary; pH 5.7. |
| Bt ₂ | 69 -117 cm; dark red (2.5 YR 3/6 M); gravelly clay loam; 30% gravels; strong, coarse subangular blocky; dry very hard, moist friable, wet sticky and slightly plastic; thin, patchy clay films; common, fine to medium irregular ferro manganese concretions; common fine and few medium pores; moderately slow permeability; pH 5.6. |
| Cr | 117 ⁺ cm; weathered gneiss. |

COLACHAL SERIES (C1c)



Soil Taxonomy Fine loamy, mixed, isohyperthermic Typic Rhodudalfs

SUCHINDRAM SERIES (Scm)

Physiography .. Plain
Drainage .. Moderately Well drained
Parent material .. Weathered Calc gneiss

HORIZON

DESCRIPTION

| | |
|-----------------|--|
| Ap | 0-22 cm; dark grayish brown (10 YR 4/2 M); sandy clay; moderate, medium subangular blocky; dry hard, moist firm, wet sticky and plastic; mild effervescence to dilute HCl; many, fine roots; many, fine pores; slow permeability; clear, wavy boundary; pH 7.1. |
| Bt ₁ | 22 - 51 cm; yellowish brown (10 YR 5/6 M); sandy clay; moderate to strong, medium to coarse subangular blocky; dry hard, moist firm, wet sticky and plastic; thin, patchy clay films; effervescence to dilute HCl; few, fine roots; many, fine pores; slow permeability; clear, wavy boundary; pH 7.1. |
| Bt ₂ | 51 - 71 cm; yellowish brown (10 YR 5/4 M); sandy clay; moderate to strong, medium to coarse subangular blocky; dry very hard moist firm, wet sticky and plastic; thin, patchy clay films; moderate effervescence to dilute HCl; common, fine pores; slow permeability; gradual, wavy boundary; pH 7.8. |
| Bt ₃ | 71-115 cm; dark yellowish brown (10 YR 3/4 M); clay; strong, coarse subangular blocky; dry very hard, moist firm, wet very sticky and plastic; thin, patchy clay films; moderate effervescence to dilute HCl; common, fine to medium conca; very fine pores; very slow permeability; pH 7.9 |
| Cr | 115 ⁺ cm; weathered calc gneiss. |

SUCHINDRAM SERIES (Scm)

| | | CM | | |
|-----------------|-----|--------------------------|-----|------------------|
| Ap | 0 | sc | 22 | 10 YR4/2(m) |
| | | sbk e | | |
| Bt ₁ | 22 | sc | 51 | 10 YR 5/6 (m) |
| | | sbk e | | |
| Bt ₂ | 51 | sc | 71 | 10 YR 5/4 (m) |
| | | sbk em | | |
| Bt ₃ | 71 | c | 115 | 10 YR 3/4 (m) |
| | | sbk em | | |
| Cr | 115 | Weathered calc gneiss | | |

Soil Taxonomy : Fine, mixed, isohyperthermic Typic Haplustalfs

14) Area (ha), production (tonnes) and productivity (kg/ha) of major crops for 2008-09

| S. No | Crop | Net Area Sown (ha) | Area sown more than once (ha) | Total Cropped Area (ha) | Cropping Intensity (%) | Production (tonnes) | Productivity (kg/ha) |
|-------|---------------------|--------------------|-------------------------------|-------------------------|------------------------|---------------------|----------------------|
| 1 | Paddy | 17723 | 9195 | 26918 | 151.88 | 195640 | 7268 |
| 2 | Pulses | 569 | - | 569 | 100.00 | 284.5 | 500 |
| 3 | Ground nut | 39 | - | 39 | 100.00 | 62.556 | 1604 |
| 4 | Coconut | 24864 | - | 24864 | 100.00 | 272.509('000' nuts) | 10.960 ('000' nuts) |
| | Vegetables | | | | | | |
| 5 | Yam | 9 | - | 9 | 100.00 | 284 | 30000 |
| 6 | Colacasia | 17 | - | 17 | 100.00 | 166 | 10000 |
| 7 | Brinjal | 67 | - | 67 | 100.00 | 749 | 11110 |
| 8 | Ladies finger | 54 | - | 54 | 100.00 | 408 | 7500 |
| 9 | Tomato | 14 | - | 14 | 100.00 | 179 | 12580 |
| 10 | Pumpkin | 4 | - | 4 | 100.00 | 82 | 23000 |
| 11 | Snake gourd | 27 | - | 27 | 100.00 | 408 | 15000 |
| 12 | Bitter gourd | 19 | - | 19 | 100.00 | 227 | 12000 |
| 13 | Cucumber | 75 | - | 75 | 100.00 | 522 | 7000 |
| 14 | Drumstick | 9 | - | 9 | 100.00 | 473 | 50000 |
| | Fruit crops | | | | | | |
| 15 | Banana | 7103 | - | 7103 | 100.00 | 324837 | 45750 |
| 16 | Mango | 1974 | - | 1974 | 100.00 | 4867 | 2470 |
| 17 | Jack | 837 | - | 837 | 100.00 | 11596 | 2451250 |
| 18 | Pineapple | 25 | - | 25 | 100.00 | 822 | 33100 |
| 19 | Guava | 82 | - | 82 | 100.00 | 900 | 11030 |
| 20 | Sapota | 1 | - | 1 | 100.00 | 30 | 25000 |
| 21 | Pomegranate | 4 | - | 4 | 100.00 | 89 | 25000 |
| 22 | Orange | 5 | - | 5 | 100.00 | 9 | 2000 |
| 23 | Lemon | 25 | - | 25 | 100.00 | 64 | 2570 |
| 24 | Amla | 22 | - | 22 | 100.00 | 315 | 14000 |
| 25 | Naarathai | 35 | - | 35 | 100.00 | 887 | 25000 |
| 26 | Cashew nut | 2255 | - | 2255 | 100.00 | 996 | 440 |
| 27 | Tamarind | 1787 | - | 1787 | 100.00 | 3477 | 1950 |
| | Sugar crops | | | | | | |
| 28 | Tapioca | 9305 | - | 9305 | 100.00 | 323345 | 34750 |
| | Beverages | | | | | | |
| 29 | Coffee | 84 | - | 84 | 100.00 | 63 | 750 |
| 30 | Tea | 422 | - | 422 | 100.00 | 3800 | 9000 |
| 31 | Betelvine | 66 | - | 66 | 100.00 | 1457 | 22000 |
| 32 | Cocoa | 54 | - | 54 | 100.00 | 54 | 1000 |
| | Flower crops | | | | | | |

| | | | | | | | |
|----|------------------------------------|-------|---|-------|--------|-------|--------|
| 33 | Jasmine | 90 | - | 90 | 100.00 | 697 | 7750 |
| 34 | Mullai | 1 | - | 1 | 100.00 | 10 | 8500 |
| 35 | Crossandra | 47 | - | 47 | 100.00 | 95 | 2000 |
| 36 | Chrysantham | 26 | - | 26 | 100.00 | 234 | 9000 |
| 37 | Arali | 1 | - | 1 | 100.00 | 9 | 7750 |
| | Spices and plantation crops | | | | | | |
| 38 | Cloves and cinnamom | 552 | - | 552 | 100.00 | 487 | 880 |
| 39 | Cardamom | 71 | - | 71 | 100.00 | 7 | 100 |
| 40 | Pepper | 134 | - | 134 | 100.00 | 20 | 150 |
| 41 | Ginger | 11 | - | 11 | 100.00 | 199 | 18670 |
| 42 | Curry leaves | 4 | - | 4 | 100.00 | 710 | 200000 |
| 43 | Chillies | 63 | - | 63 | 100.00 | 44 | 700 |
| 44 | Arecanut | 693 | - | 693 | 100.00 | 1561 | 2250 |
| 45 | Rubber | 23357 | - | 23357 | 100.00 | 12847 | 550 |

15) Area under irrigation for major crops for 2008-09

| S. No | Crop | Total Cropped Area (ha) | Irrigated area (ha) | % of irrigation |
|-------|----------------------------|-------------------------|---------------------|-----------------|
| | Agricultural crops | | | |
| | Paddy | 26918.000 | 20349.330 | 75.60 |
| | Pulses | - | 1162.331 | - |
| | Cotton MCU -5 | - | 10.000 | - |
| | Ground nut | 39 | 38.990 | 99.97 |
| | Horticultural crops | | | |
| | Areca nut | 693 | 600.880 | 86.71 |
| | Cardamom | 71 | 60.000 | 84.51 |
| | Chillies | 63 | 9.905 | 15.72 |
| | Ginger | - | 14.520 | - |
| | Pepper | 134 | 89.780 | 67 |
| | Nut meg | - | 19.785 | - |
| | Cloves and cinnamon | 552 | 474.005 | 85.87 |
| | Curry leaves | 4 | 2.630 | 65.75 |
| | Tamarind | 1787 | 1452.290 | 81.27 |
| | Coffee | 84 | 81.635 | 97.19 |
| | Tea | 422 | 359.515 | 85.19 |
| | Betal wine | 66 | 54.994 | 83.32 |
| | Cocoa | 54 | 38.945 | 72.12 |
| | Coconut | 24864.432 | 24864.432 | 100 |
| | Thulasi | - | 0.065 | - |
| | Sandol | - | 0.265 | - |
| | Rubber | 23357 | 20269.181 | 86.78 |
| | Fruits and vegetables | | 17865.753 | - |
| | Manure crops | - | 1106.377 | - |
| | Flowers | 165 | 164.425 | 99.65 |
| | Others : | | | |

| | | | | |
|--|-----------------|--------|---------|-----|
| | Grove varieties | - | 176.780 | - |
| | Mulberry | 13.705 | 13.705 | 100 |
| | Elavan/ Ulagu | - | 0.685 | - |
| | Neem | -- | 6.695 | - |
| | Elluppai | - | 0.175 | - |
| | Punnai | - | 201.628 | - |

Total irrigated area 27722.077 ha.

16) Area under HYV /hybrids for major crops for 2008-09 or 2009-10 (or latest available year)

| Sl. No | Crop | Gross Cropped Area (ha) | Area under HYV / hybrids (ha) | % | Hybrids / Varieties grown |
|--------|--------------------|-------------------------|-------------------------------|---|---|
| 1. | Vegetables | | | | |
| | Yam | | | | Local |
| | Colacasia | | | | Local |
| | Brinjal | | | | Andar Kulam Local |
| | Ladies finger | | | | Aanai Komban, Arka Anamika, MAHYCO-10 |
| | Tomato | | | | PKM-1, COTH-1 |
| | Pumpkin | | | | MD 1 |
| | Snake gourd | | | | MD 1 |
| | Bitter gourd | | | | MD 1 |
| | Cucumber | | | | Co 1 |
| | Drumstick | | | | PKM-1, PKM-2 |
| | Greens | | | | Red |
| 2. | Fruit crops | | | | |
| | Banana | | | | Rasthali, Red Banana, Nenthiran, Mutti |
| | Mango | | | | Neelam, Bangalora, Banganapalli, Kalappadu, Himayutheen |
| | Jack | | | | PPI 1, Muttom Varukkai |
| | Pineapple | | | | Kew, Mouritious, Queen |
| | Guava | | | | L-49, L-46 |
| | Sapota | | | | PKM 1, PKM 3 |
| | Pomegranate | | | | Ganesh, Yercaud, Jothi |
| | Papaya | | | | Co- 5, Co-3 |
| | Orange | | | | Local |
| | Lemon | | | | Local, Kadayam Local |
| | Amla | | | | BSR-1, NA-7, Krishna, Kanchan, Chakiya |
| | Naarathai | | | | Local |
| | Cashew nut | | | | VRI- 1, VRI-2, VRI-3 |
| | Tamarind | | | | PKM-1, Local |
| | Sugar crops | | | | |
| | Tapioca | | | | Lakshmi Vellai, Nooru |

| | | | | |
|--|------------------------------------|--|--|--|
| | | | | Muttan, Sree Vishagam |
| | Sweet Potato | | | Co-1, Co-2 |
| | Beverages | | | |
| | Coffee | | | Kaveri, Selection 795 |
| | Tea | | | Pandiyan, Kolkonda, Ever green |
| | Betelvine | | | Karpoorakkodi, Sirugamani |
| | Cocoa | | | Forestero, Criallo |
| | Flower crops | | | |
| | Rose | | | Andra Red, Edward |
| | Jasmine | | | Co-1, Co-2 |
| | Mullai | | | Co-1, Co-2 |
| | Crossandra | | | Orange Red, Delhi Crossandra |
| | Chrysanthemum | | | Co-1, Co-2 |
| | Mari gold | | | Orange, Yellow, MD-1 |
| | Arali | | | White, Red |
| | Tube Rose | | | Single Petaled, Double Petaled |
| | Spices and plantation crops | | | |
| | Cloves and cinnamom | | | Local |
| | Nutmeg | | | Local, Viswa Sree |
| | Cardamom | | | Malabar, vazhukka |
| | Pepper | | | Panniyoor 1, Kuttanadan |
| | Ginger | | | Varadha, Maran Nadan, Riodajaneiro |
| | Curry leaves | | | Round Leaf, Pointed Leaf (Senkambu) |
| | Chillies | | | K1, K2 |
| | Arecanut | | | Mangala, Sreemangala, Sumangala, Mohit nagar |
| | Rubber | | | RRI-105, RRIM-600, PB 28/59 |

17) Farm Gate Price of major crops during for 2009-10

| S. No | Crop | Farm Gate Price (Rs.) | Wholesale price (Rs.) | Retail price (Rs.) |
|-----------|---------------------------|-----------------------|-----------------------|--------------------|
| 01 | Cereals | | | |
| a) | Paddy: First season | | | |
| | ASD 16 | - | 2200/ 100 Kg | - |
| | Ponmani | 1265 / 100 Kg | 1950 / 100 Kg | - |
| | Paddy: Second season | | | |
| | TPS 3 | 1265 / 100 Kg | 1950 / 100 Kg | - |
| | Ponmani | - | 1850 / 100Kg | - |
| 02 | Oilseeds | | | |
| a) | Coconut | | | |
| | Rate /Nut | 4.00 to 6.00 | 4.50 to 6.50 | 4.50 to 7.00 |
| | Rate / Kg of dehusked nut | - | 8.80 to 9.00 / Kg | 10.00 / Kg |

| | | | | |
|------------|---------------------|-------------|-------------|-----------|
| 03 | Vegetables | | | |
| a) | Brinjal | 10/ Kg | 13/ Kg | 15/ Kg |
| b) | Bhendi | 10/ Kg | 13/ Kg | 15/ Kg |
| c) | Tomato | 10/ Kg | 15/ Kg | 37/ Kg |
| d) | Chillies | 12/ Kg | 15/ Kg | 20/ Kg |
| e) | Drumstick | 18/ Kg | 20/ Kg | 25/ Kg |
| f) | Cluster beans | 6/ Kg | 8/ Kg | 10/ Kg |
| g) | Bitter gourd | 12/ Kg | 15/ Kg | 20/ Kg |
| h) | Cucumber | 4/ Kg | 6/ Kg | 8/ Kg |
| i) | Snake gourd | 6/ Kg | 9/ Kg | 13/ Kg |
| j) | Bumpkin | 4/ Kg | 6/ Kg | 8/ Kg |
| k) | Ash gourd | 4/ Kg | 6/ Kg | 8/ Kg |
| l) | Potato | - | - | 16/ Kg |
| m) | Bellari onion | - | - | 14/ Kg |
| n) | Cabbage | - | - | 14/ Kg |
| o) | Carrot | - | - | 36/ Kg |
| p) | Beet root | - | - | 27/ Kg |
| q) | Cauliflower | - | - | 24/ Kg |
| r) | Murungai beans | - | - | 25/ Kg |
| s) | Radish | - | - | 15/ Kg |
| t) | Chow chow | - | - | 20/ Kg |
| u) | Bread fruit | 6/ Kg | 8/ Kg | 10/ Kg |
| v) | Banana stem | 3/ Piece | 3.50 /Piece | 4 / Piece |
| w) | Greens | 4 / Kg | 6/ Kg | 8 / Kg |
| x) | Coriander leaf | 12/ Kg | 15/ Kg | 19/ Kg |
| y) | Mint | 15/ Kg | 18/ Kg | 23/ Kg |
| z) | Curry leaf | 6/ Kg | 8/ Kg | 10/ Kg |
| A1) | Banana leaf | 0.25 / Leaf | 0.50 / Leaf | 1/ Leaf |
| B1) | Onion | 20/ Kg | 25/ Kg | 32/ Kg |
| C1) | Yam | 20/ Kg | 25/ Kg | 30/ Kg |
| D1) | Ginger | 50/ Kg | 60/ Kg | 72/ Kg |
| 04) | Flower crops | | | |
| a) | Jasmine | 50/ Kg | 75/ Kg | 100/ Kg |
| 05) | Fruits | | | |
| a) | Banana fruit | 15/ Kg | 20/ Kg | 24/ Kg |
| b) | Mango fruit | 10/ Kg | 15/ Kg | 20/ Kg |
| c) | Jack fruit | 2/ Kg | 4/ Kg | 6/ Kg |
| d) | Guava | 10/ Kg | 16/ Kg | 22/ Kg |
| e) | Papaya | 8/ Kg | 12/ Kg | 15/ Kg |
| f) | Sappota | 10/ Kg | 15/ Kg | 22/ Kg |
| g) | Pomegranate | 50/ Kg | 60/ Kg | 74/ Kg |
| h) | Lemon | 8/ Kg | 12/ Kg | 15/ Kg |
| i) | Amla | 20/ Kg | 30/ Kg | 37/ Kg |
| j) | Apple | - | - | 110/ Kg |
| k) | Orange (sathugudi) | - | - | 40/ Kg |
| l) | Kamala orange | - | - | 56/ Kg |
| m) | Pine apple | 8/ Kg | 12/ Kg | 15/ Kg |
| n) | Grapes | - | - | 60/ Kg |

| | | | | |
|-----------|---|----------------|-------------|----------------|
| o) | Cashew nut (Local) | Rs. 35 / Kg | Rs.400 / Kg | Rs.40/ 100gm. |
| | Imported | Rs. 40 / Kg | Rs.700 / Kg | - |
| 06 | Commercial including sugar and fibre crops | | | |
| a) | Tapioca | Rs. 6 – 7 / Kg | Rs. 8 / Kg | Rs. 9 – 10/ Kg |
| 07 | Spices and Plantation Crops | | | |
| a) | Rubber | | | |
| | Latex(60% Concentrated) | - | 130 / Kg | - |
| | sheet | - | 180 / Kg | - |
| 08. | Others pl. specify | | | |

18) Livestock and poultry population for 2004-2005

| Sl. No | Name of the Block | Cattle | Buffalo | Sheep | Goat | Others if any Pl. specify (Pig) | Total |
|--------|-------------------|--------|---------|-------|-------|---------------------------------|-------|
| 1 | Agasteeswaram | 13162 | 1246 | 792 | 5365 | 441 | 21006 |
| 2 | Rajakamangalam | 8343 | 647 | 249 | 5001 | 235 | 14475 |
| 3 | Thovalai | 11431 | 2144 | 147 | 5923 | 418 | 20063 |
| 4 | Kurunthancode | 3069 | 2055 | 360 | 7297 | 1708 | 14489 |
| 5 | Thcukalay | 12626 | 5891 | - | 5530 | 291 | 24338 |
| 6 | Thiruvattar | 10323 | 649 | - | 10002 | 71 | 21045 |
| 7 | Killiyoor | 8472 | 2300 | - | 5897 | 471 | 17140 |
| 8 | Munchirai | 18930 | 1591 | - | 5698 | 2961 | 29180 |
| 9 | Melpuram | 13578 | 692 | - | 6402 | 108 | 20780 |

Source : 2004- 2005 Census

Poultry details for the district :

| Category | Value in numbers |
|----------------------|------------------|
| Cocks | 109048 |
| Hens | 253287 |
| Chicks | 89194 |
| Ducks | 1674 |
| drakes | 2922 |
| Ducklings | 433 |
| Turkeys | 885 |
| Guinea and fowls etc | 6381 |
| Total | 463824 |

Source : 17th Quinquennial Livestock Census – 2004

19) Livestock and poultry products production for 2008-09 or 2009-10 (or latest available year)

| S. No | Name of the Block | Cows milk in litres | Buffalo milk in litres | Poultry | | Sheep and goat | Others if any Pl. specify |
|-------|-------------------|---------------------|------------------------|----------------------|----------------|--------------------|---------------------------|
| | | | | Eggs in '000 numbers | Broiler in kgs | Live weight in kgs | |
| 1 | Agasteeswaram | 10719 | | | | | |
| 2 | Rajakamangalam | 3092 | | | | | |
| 3 | Thovalai | 5699 | | | | | |
| 4 | Kurunthancode | 4087 | | | | | |
| 5 | Thcukalay | 6420 | | | | | |
| 6 | Thiruvattar | 584 | | | | | |
| 7 | Killiyoor | 4625 | | | | | |
| 8 | Munchirai | | | | | | |
| 9 | Melpuram | | | | | | |
| | Total | 35226 | | | | | |

20) Any other data / information which is relevant to be included may also please be included