

NILGIRIS DISTRICT MAP



The Nilgiris District is endowed with rich bio diversity due to the existence of wide range of climatic and geological conditions. It receives annual rainfall with a spatial variation ranging from 800mm to 3000mm. It is also gifted with thick layer (1 to 1.5 Mts.) of fertile soil. The soils are acidic (PH 4.6 to 6.1) and are generally deficient in plant nutrients, However, even the most leached and badly eroded soil has the capacity to recuperate rapidly by proper application of organic and inorganic manures and fertilizers. This particular region of Western Ghat is the most suitable habitat for all kinds of flora and fauna.

It is geographically located between 78°14' and 77°02' east longitude and 11°10' and 11°42' north latitude. The geographical area of the district is 2,545 square kilometers, consist of six taluks namely Udhagai, Kundha, Coonoor, Kotagiri, Gudalur and Pandalur. The unique feature of the Nilgiris district is that about 56% of the total area of the district is under forest (Table.1). The District has different climatic conditions such as Tropical, Sub-tropical and Temperate. The district experiences an average minimum and maximum temperature of 0°C to 32°C. The entire district is a Hilly region with a minimum and maximum height to 800 Meters and 2595 meters above the MSL respectively.

LAND USE PATTERN IN NILGIRIS DISTRICT

S. NO	CLASSIFICATION	UDHAGAI	KUNDHA	COONOR	KOTAGIRI	GUDALUR	PANDALUR	TOTAL
1	Forest	61163.00	19471.00	4107.08	20203.62	32558.99	5073.00	142576.69
2	Barren and un cultivatable land	788.00	973.00	562.00	694.72	91.00	266.00	3374.72
3	Land put in Non-Agricultural use	3259.00	381.00	2764.15	1169.01	1206.00	1197.00	9976.16
4	Cultivable waste	760.14	213.00	28.13	501.03	15.00	201.68	1718.98
5	permanent pastures and other Grazing lands	908.00	1224.00	923.02	1660.96	67.00	295.00	5077.98
6	Miscellaneous trees crops and grows not included in the net area sown	1786.00	467.00	600.37	414.08	273.00	280.00	3820.45
7	Current fallow lands	1709.44	300.75	254.81	135.31	275.73	193.08	2869.12
8	Other fallow lands	4852.30	871.26	890.94	1578.67	353.68	1654.20	10201.05
9	Net- Cultivated Area	12776.12	7860.99	12752.93	13307.78	15797.91	12374.04	74869.77
10	Total Geographical area	88002.00	31762.00	22883.43	39665.18	50638.31	21534.00	254484.92

Source: G returns of 2013 - 2014

RAINFALL PATTERN IN NILGIRIS DISTRICT

Rainfall : in 'mm'

Period	Normal Rain Fall 'mm'	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
South west Monsoon Deviation in %	1060	943.	1032.5	653.9	1142.6	1067.9	1265.2	1211.7	915.4	861.5	841
		-11	-2.6	-38.3	+7.8	+0.7	+19.4	+14.3	+15.80	-23	-26
North East Monsoon Deviation in %	368	564.8	557.2	656.1	551.5	516.3	893	609.9	509.9	452.2	375.79
		+54	+52	+78	+40	+40	+143	+66	+27.8	+18.6	-2
Winter Period Deviation in %	31	23.2	23.8	35.9	193.6	1.7	20.1	67.0	18.6	17.8	30.4
		-25	-23	+17	+259	-95	-35	+36	+67	-74	-
Hot weather period Deviation in %	237	307.7	324.7	178.8	438.8	298.7	190.3	288.0	135.5	246	309.9
		+30	+37	-25	+85	+37	-20	-3	-75	+3.7	+2.3
Total	1696	1839	1938.2	1524.7	2290.5	1872.4	2368.6	2176.6	1579.2	1577.5	1557.59

HORTICULTURE SECTOR

The Nilgiris District is basically a Horticulture District and the entire economy of the district depends upon the success and failure of Horticulture Crops. The favorable climatic conditions in the district motivate the cultivation of different horticulture crops such as Carrot, Potato, Cabbage, Beans, Beetroot besides the spices and condiments like Pepper, Ginger and Garlic. The plantation crops cultivated are Tea and Coffee, Besides these crops, Ragi, Samai, Wheat, Vegetables, etc. is also grown is small extent though out the district. The table below indicates the area and production and productivity covered under each of the cops.

AREA PRODUCTION AND PRODUCTIVITY OF HORTICULTURE CROPS – 2013-2014

S. NO	NAME OF THE CROPS	Total		
		Area	Production	Productivity
I	Vegetables	5632.33	150830.61	21.58
II	Fruits	909.74	33395.85	9.27
III	Spices and Condiments	2707.11	6896.42	4.15
IV	Flowers	111.70	935.53	6.03
V	Medicinal Plants	1.60	40.62	20.36
VI	Plantation Crops	64096.38	521287.08	2.45

Source: Area reconciliation report 2013-2014