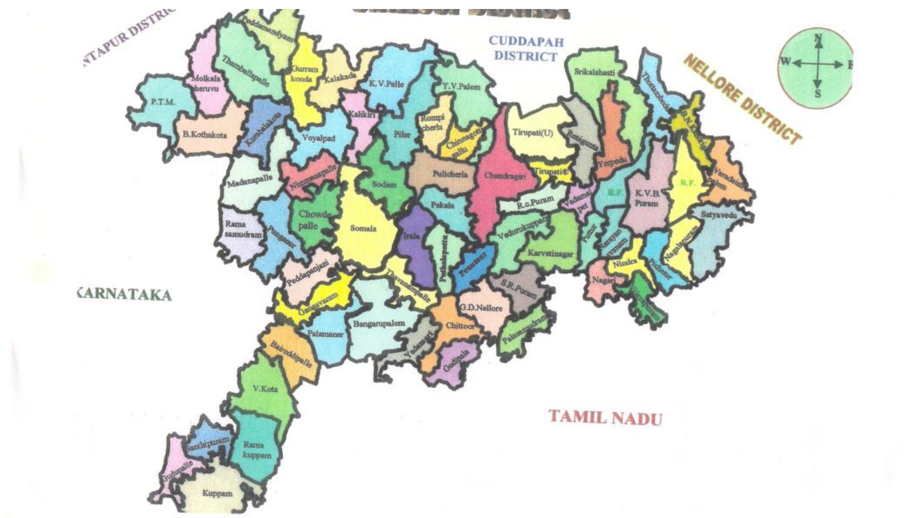
DATA BASE OF CHITTOOR DISTRICT.

The district is categorized under Southern Agro Climatic Zone of Andhra Pradesh based on soil type, rainfall and altitude. There are 66 mandals, 1540 revenue villages and 1394 Panchayats in the district. In dry farming tracts of the zone groundnut is the main crop where as under tanks, wells and bore wells double cropping is practiced with Rice. After Groundnut and Paddy, Sugarcane occupies 3rd place in Chittoor District. At present year, the area under maize and Sunflower is increasing gradually in the district.

Information is being collected regularly pertaining to Area, Production and Productivity of Agriculture, Horticulture, Sericulture, Animal husbandry and other related disciplines, updated and computerized systematically

CHITTOOR DISTRICT



Agricultural lands of the district comprise

Red Soils	-	57%
Sandy loams	-	34%
Mixed Soils	-	9%

LAND UTILIZATION PATTERN IN THE DISTRICT (Area in ha)

S. No.	Particulars	Area
1.	Forest	4,51,345
2.	Barren & Uncultivable land	1,64,265
3.	Land Put to Non-Agril. Uses	1,57,000
4.	Permanent Pastures & Other grazing lands	36,521
5.	Miscellaneous tree crops & Groves not included in net area sown.	25,173
6.	Cultivable waste	39,512
7.	Other fallow lands	1,26,287
8.	Current fallows	1,61,759
9.	Net area sown	3,55,674
10.	Total Geographical area	14,98,778
11.	Total cropped area	4,08,000
12.	Area sown more than once	36,283

CHITTOOR DISTRICT FARMING SITUATIONS

S. No	Farming Situation	Total Area (HA)	No.of Mandals
1.	Medium Irrigation (Canal) Red Soils	15,216	14
2.	Minor Irrigation (Tanks) Red Soils	42,368	61
3.	Minor Irrigation (Tanks) Supported by wells and Tube Red Soils	12,755	66
4.	Wells & Tube Wells Red Soils	1,06,448	66
5.	Problematic Soils	469	9
6.	Dry sown converted to wet	872	5
7.	Rainfed Red Soils	2,52,608	55

AGRICULTURAL DIVISIONS IN THE DISTRICT

S. No.	NAME OF THE DIVISION	NO. OF MANDALS	NAME OF MANDAL
1.	CHITTOOR	8	BANGAURUPALAYM, CHITTOOR, YADAMARI GUDIPALA,IRALA,PENUMUR, PUTHALAPATTU AND THAVANAMPALLE
2.	MADANAPALLE	7	B.KOTHAKOTA,KURABALAKOTA,MADANAPALLE, MOLAKALACHERUVU,NIMMANAPALLE, P.T.M. AND THAMBALAPALLE.S
3.	NAGARI	6	G.D. NELLORE , NAGARI, NINDRA,

			PALASAMUDRAM, S.R.PURAM AND VIJAYAPURAM
4.	PALAMANER	7	BAIREDDIPALLE, GUDUPALLE, KUPPAM, PALAMANER, RAMAKUPPAM, SANTHIPURAM AND V.KOTA
5.	PILER	6	CHINNAGOTTIGALLU, K.V.PALLE, ROOMPICHERLA, PILER , SODAM AND YERRAVARIPALLEM
6.	PUNGANUR	6	CHOWDEPALLE, GANGAVARAM, PEDDAPANJANI, PUNGANUR, RAMACHANDRAPURAM AND SOMALA
7.	PUTTUR	6	KARVETINAGAR, NARAYANAVANAM, PUTTUR, RAMACHANDRAPURAM, VADAMALAPET AND VEDURUKUPPAM
8.	SATHYAVEDU	4	NAGALAPURAM, PITCHTUR, SATHYAVEDU AND VARADAIHPALEM
9.	SRIKALAHASTI	5	B.N.KANDRIGA, K.V.B.PURAM, SRIKALAHASTI, THOTTAMBEDU AND YERPEDU
10.	TIRUPATI	6	CAHANDRAGIRI, PAKALA, PULICHERLA, RENIGUNTA, TIRUPATI RURAL AND TIRUPATI URBAN
11.	VALMIKIPURAM	5	GURRAMKONDA, KALAKADA, KALIKIRI, PEDDAMANDYAM AND VALMIKIPURAM

MONTH WISE NORMAL AND ACTUAL RAINFALL FROM 2002-2003 TO 2013-14

MONTH	NORMAL	2002 - 2003	2003 - 2004	2004 - 2005	2005 - 2006	2006 - 2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-14
JUNE	**79.0**	**112.3**	**77.0**	**79**	**60.4**	**96.5**	**101.8**	**42.6**	**67.9**	**104.8**	**50.2**	**56.4**	**69.6**
JULY	**102.0**	**28.3**	**221.0**	**102**	**131.8**	**17.1**	**110.9**	**98.8**	**40.9**	**180.4**	**135.5**	**141.8**	**71.7**
AUGUST	**117.0**	**55.6**	**121.1**	**117**	**108.8**	**94.7**	**191.3**	**99.1**	**127.7**	**152**	**172.8**	**132.2**	**108.0**
SEPTEMBER	**140.0**	**103.0**	**121.0**	**140**	**149.0**	**132.5**	**135.4**	**131.7**	**124.6**	**135.3**	**105.5**	**75.5**	**179.1**
SOUTH-WEST	**438.**	**301.2**	**540.1**	**379.2**	**450.0**	**340.8**	**539.4**	**372.2**	**361**	**572.5**	**464.0**	**405.9**	**428.4**
OCTOBER	**163.0**	**176.0**	**165.8**	**163**	**345.3**	**150.2**	**214.0**	**163.6**	**35.2**	**96.5**	**126.9**	**174.4**	**158.2**
NOVEMBER	**163.0**	**78.5**	**13.8**	**163**	**254.8**	**97.6**	**45.5**	**273.3**	**186.6**	**232.1**	**177.3**	**121.0**	**69.9**
DECEMBER	**70.0**	**20.3**	**11.0**	**70**	**151.3**	**33.6**	**178.2**	**11.3**	**60.8**	**69.2**	**65.1**	**84.5**	**3.7**
NORTH-EAST	**396.**	**274.8**	**190.6**	**183.0**	**751.4**	**281.4**	**437.7**	**448.2**	**282.6**	**397.8**	**369.3**	**379.9**	**231.8**
JANUARY	**8.0**	**0**	**4.3**	**8**	**00.0**	**0**	**15.3**	**0.7**	**1.6**	**1. 3**	**2.5**	**00.0**	**0.5**

FEBRUARY	**4.0**	**0**	**1.4**	**4**	**00.0**	**2.5**	**10.1**	**-**	**-**	**23.2**	**00.0**	**48.6**	**0.4**
WINTER PERIOD	**12.0**	**0**	**5.7**	**12**	**00.0**	**2.5**	**25.4**	**0.7**	**1.6**	**24.5**	**2.5**	**48.6**	**0.9**
MARCH	**8.0**	**31.1**	**3.3**	**8**	**30.4**	**0**	**56.3**	**4.3**	**1.4**	**-**	**0**	**19.0**	**6.7**
APRIL	**17.6**	**7.6**	**29.3**	**18**	**8.5**	**27.4**	**6.1**	**9.9**	**3.7**	**6.4**	**21.8**	**22.6**	**7.6**
MAY	**62.0**	**0**	**0**	**62**	**64.8**	**0**	**-**	**31.2**	**95.9**	**31.9**	**56.6**	**19.5****	**14.0**
HOT WEATHER PERIOD	**88.0**	**38.7**	**32.6**	**80**	**103.7**	**27.4**	**62.4**	**45.4**	**5.1**	**38.3**	**78.4**	**61.1**	**28.3**
TOTAL	**934**	**614.7**	**769.0**	**654.2**	**1305.**	**652.1**	**934**	**866.5**	**650.3**	**1033.1**	**913.9**	**895.5**	**689.4**

AREA, PRODUCTION AND PRODUCTIVITY OF MAJOR CROPS
(000 ha, 000t & kg/ha)
Paddy

YEAR	AREA (000 ha)			PRODUCTION (000 t)			PRODUCTIVITY (kg/ha)		
	Kharif	Rabi	Total	Kharif	Rabi	Total	Kharif	Rabi	Total
2000-01	27.3	38.2	65.5	75.1	96.3	97.3	2751	2520	5271
2001-02	24.3	61.8	86.1	57.7	167.4	225.1	2376	2708	5084
2002-03	20.0	30	50	72	37	109	3575	1224	4799
2003-04	18	27	45	62	96	158	3420	3558	6978
2004-05	19	26	45	64	106	170	3388	4082	7470
2005-06	16.2	40.4	56.6	37	118	155	2289	2918	5207
2006-07	17	37.02	54.02	37	94	131	2150	2540	4690
2007-08	13.68	35.06	48.74	42	98	140	3084	2800	5644
2008-09	17.24	38.1	55.34	51	114	165	2958	2992	5950
2009-10	19.76	34.2	53.96	70	90	160	3084	2598	5682
2010-11	16.2	43.3	59.5	53	143	196	3250	3300	6550
2011-12	15.4	31.0	46.4	53	115	168	3450	3712	7162
2012-13	12.9	35.2	48.1	40	132	172	3125	3195	6320
2013-14	15.2	34.7	49.9	48	110	158	3165	3195	6360

Groundnut

YEAR	AREA (000 ha)			PRODUCTION (000 T)			PRODUCTIVITY (Kg/ha)		
	Kharif	Rabi	Total	Kharif	Rabi	Total	Kharif	Rabi	Total
2000-01	169	23	192	206	57	264	1218	2540	2552
2001-02	171	23	194	146	68	214	850	3004	3854
2002-03	102	19	121	130	47	177	1272	2480	3752
2003-04	137	22	159	101	43	144	734	1950	2684

2004-05	195	24	219	133	43	176	681	1810	2491
2005-06	177	15	328	130	37	506	736	2485	3221
2006-07	87	-	87	38	-	38	438	-	438
2007-08	144	21	165	180	47	227	1250	2250	3500
2008-09	171	17	187	90	49	139	528	2900	3428
2009-10	123	18	141	55	40	95	453	2250	2703
2010-11	148	14	162	177	34	211	1200	2480	3680
2011-12	121	14	135	46	-	-	380	-	-
2012-13	139	15	154	85	92	167	610	1650	2260
2013-14	143	12	152	92	30	122	644	2500	3144

Sugarcane

YEAR	AREA (000 ha)	PRODUCTION (000 T)	PRODUCTIVITY (Kg/ha)
2000-01	29.5	2094.5	71000
2001-02	38.8	2910	75033
2002-03	39.0	1306	33498
2003-04	27.0	957	35452
2004-05	22.0	1828	83102
2005-06	22.5	1976	87847
2006-07	38.0	3084	81250
2007-08	29.8	2539	85000
2008-09	25.2	2139	84880
2009-10	27.2	2311	85000
2010-11	26.5	1989	75000
2011-12	28.2	2251	82524
2012-13	28.0	2332	83000

CROP COVERAGE DURING KHARIF AND RABI SEASON (in ha.)

SEASON	CROP	1999-2000	2000-2001	2001-2002	2002-03	2003-04	2004-05	2005-06
Kharif	Paddy (N)	43004	43757	42836	36018	31575	23169	23169
	Paddy (A)	37543	33777	23378	18082	17091	16494	13139
	Groundnut(N)	254363	240408	225161	204492	177839	159449	159449
	Groundnut(A)	189429	191868	171369	87165	142314	178878	170945
	Sugarcane(N)	45000	33000	35274	37678	39642	33507	33507
	Sugarcane(A)	44404	40540	38790	35390	23052	20941	21423
Rabi	Paddy (N)	57673	55559	52330	52156	46692	37328	37328
	Paddy (A)	37490	41443	61845	29025	27687	24181	57083
	Groundnut(N)	30261	29949	27874	25991	24076	21757	21757
	Groundnut(A)	26391	22722	22699	21904	24628	27169	16582

SEASON	CROP	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Kharif	Paddy (N)	19663		17246	17066	17206	17562	17620
	Paddy (A)	13456	13683	17237	19758	15761	15484	12952
	Groundnut(N)	156539		148552	155439	141074	135285	144259
	Groundnut(A)	78522	144127	171653	123097	148125	121662	139582
	Sugarcane(N)	29890		41000	27824	28873	29926	28014
	Sugarcane(A)	36937	29874	25169	27193	26447	28213	28016
Rabi	Paddy (N)	42308		37128	39256	41130	36571	37491
	Paddy (A)	28203	35061	38093	34637	43290	31028	35219
	Groundnut(N)	20835		20543	19508	18018	17131	16330
	Groundnut(A)	18606	21054	17475	16553	16555	14493	15470

AVERAGE YIELD OBTAINED DURING KHARIF AND RABI SEASON (kg/ha)

SEASON	CROP	2001-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10	10-11	11-12	12-13
Kharif	Paddy (N)	2356	2484	2350	2360	2366	--	--	2879	2429	2559	2559	**2482**
	Paddy (A)	2376	2332	2219	3388	2289	2150	3084	2958	3084	3250	3450	**3125**
	Groundnut (N)	985	978	980	985	978	--	--	897	953	995	995	**972**
	Groundnut (A)	850	424	480	681	736	438	1250	528	453	1200	380	**610**
	Sugarcane (N)	78121	85698	78900	82500	--	--	--	69023	80625	78552	78552	**78996**
	Sugarcane (A)	75033	55000	74500	83102	87847	--	85000	84880	85000	75000	-	**83000**
Rabi	Paddy (N)	2338	2887	2670	2790	--	---	--	2793	2601	2768	2768	**2702**
	Paddy (A)	2708	2948	2650	4082	2918	--	2800	2992	2598	3300	3712	**3195**
	Ground nut(N)	2528	2533	2550	2480	--	--	--	2360	-	2584	2584	**2517**
	Ground nut(A)	3004	3000	3075	1810	2485	--	2250	2900	-	2480	1965	**1650**

SUCCESSFUL NEW INTER CROPING SYSTEMS IDENTIFIED IN THE DISTRICT

- Redgram in groundnut
- Drumstick in Mango
- Tomato in Redgram
- Banana in drumstick
- Marigold in young Mango orchards
- Curry leaf in coconut

- Maize in Field bean
- Maize in Tomato
- Maize in Ragi
- Bean + Banana in Drumstick
- Jowar in Groundnut
- Pulses in Sugarcane
- Horsegram in Mango

PRODUCTION CONSTRAINTS IDENTIFIED IN THE DISTRICT

A. General Constraints

- Labors shortage
- Low organic carbon in soils
- Shallow soils
- Low fertility
- Recurring droughts
- Prolonged dry spells
- Depletion of water table
- High input cost including labour
- Low monetary returns
- Market fluctuations for Agricultural commodities

B.SPECIFIC CONSTRAINTS (CROP WISE)

Groundnut

- Low plant population
- Weed Management in rainfed situation
- Inter cropping system in rainfed situation
- Iron deficiency
- Leaf Webber
- Spodoptera
- PBND and PSND
- Collor rot
- Tikka leaf spot

Rice

- Over aged seedlings and deficiency
- Leaf folder and stem borer
- Gallmidge
- Blast
- Gundhi bug
- Bacterial leaf blight
- Nematodes problem

Sugarcane

- Time of planting
- Scheduling of fertilizer application
- Traditional method of irrigation
- Iron Chlorosis
- Early shoot borer

- Whip smut
- Wooly aphid
- Rootgrub
- Red rot

Redgram

- Wilt
- Maruca
- Podfly
- Borers

Mango

- Fruit fly
- Hopper
- Twig blight
- Anthracnose
- Black banded disease
- Stone weevil
- Sooty mold

Tomato

- Wilt
- Early blight
- Leaf curl and viruses
- Fruit borer

Chillies

- Thrips and mites
- Fruit rot
- Die back