Seasonal rainfall forecast for Southwest monsoon, 2016
for different districts of Tamil Nadu

Tamil Nadu is a rain shadow area to South West Monsoon (SWM), nearly 32 percent of the total annual rainfall of Tamilnadu is received from this monsoon. Farmers of Dharmapuri, Krishnagiri, Salem, The Nilgris and Kanyakumari are benefitted from this seasonal rainfall to take up strategic farm decisions.

District level rainfall forecast for the ensuing Southwest monsoon, 2016 (June to September) over Tamil Nadu was developed at Agro Climate Research Centre, Tamil Nadu Agricultural University, Coimbatore based on the Southern Oscillation Index of summer season and Sea Surface Temperature values of Pacific and Indian Oceans using Australian Rainman International V.4.3.Software. The historical rainfall data collected from Tamil Nadu Agricultural University Stations were used to represent the district rainfall information. In the absence of data from research station in a particular district, data from Rainman software were used. Rainfall expected during Southwest monsoon, 2016 with 60 per cent probability is given below.

Normal Rainfall (± 19% from mean seasonal rainfall) is expected in Ariyalur, Chennai, Cuddalore, Dindigul, Dharmapuri, Erode, Karur, Kancheepuram, Kanyakumari, Krishnagiri, Madurai, Namakkal, Perambalur, Pudukottai, Salem, Sivagangai, Thanjavur, Theni, Tirunelveli, Tutucorin, Trichy, The Nilgiris, Tiruppur, Tiruvallur, Tiruvannamalai, Villupurum, Vellore, Virudhunagar.

Deficit Rainfall (> -19% to -59 % from mean seasonal rainfall) is expected in Coimbatore, Nagapattinam, Ramanathapuram and Tiruvarur districts.

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Southwest monsoon forecast for Tamil Nadu-2016 (District Wise)

S. No	Districts	Long Period Average Rainfall (mm)	Rainman expected rainfall (mm)	Deviation (%)	Category	Agricultural Importance	Water Conservation
1	The Nilgiris	759.9	691	-9	Normal	√	
2	Kanyakumari	477.4	455	-5	Normal	√	
3	Vellore	466.1	438	-6	Normal	√	
4	Chennai	439.1	428	-2	Normal	-	√
5	Kancheepuram	490.8	420	-14	Normal	√	
6	Salem	440.6	420	-5	Normal	√	
7	Tiruvallur	451.6	418	-7	Normal	√	
8	Tiruvannamalai	468.1	412	-12	Normal	√	
9	Krishnagiri	399.0	391	-2	Normal	√	
10	Dharmapuri	393.4	369	-6	Normal	√	
11	Pudukottai	350.6	365	4	Normal	√	
12	Cuddalore	383.1	358	-7	Normal	√	
13	Ariyalur	392.0	356	-9	Normal	√	
14	Villupurum	408.3	335	-18	Normal	√	
15	Namakkal	339.3	310	-9	Normal	√	
16	Perambalur	290.7	308	6	Normal	√	
17	Sivagangai	301.0	305	1	Normal	√	
18	Trichy	293.9	305	4	Normal	√	
19	Maduari	335.9	276	-18	Normal		√
20	Thanjavur	318.4	269	-15	Normal		√
21	Dindugal	295.4	246	-17	Normal		√
22	Nagapattinam	286.1	227	-21	Deficit		√
23	Tiruvau**r**	296.4	226	-24	Deficit		√
24	Virdhunagar	196.8	205	4	Normal		√
25	Erode	229.8	195	-15	Normal		√
26	Karur	213.6	185	-13	Normal		√
27	Coimbatore	189.8	152	-20	Deficit		√
28	Tiruppur	154.8	148	-4	Normal		√
29	Theni	158.4	147	-7	Normal		√
30	Ramanathapuram	149.3	118	-21	Deficit		√
31	Tirunelveli	142.4	116	-19	Normal		√
32	Tuticorin	74.9	77	3	Normal		√

Category : Remarks

Normal : ±19 % from Long Period Average Rainfall (mm)

Deficit : > -19% to -59% from Long Period Average Rainfall (mm)