



Tamil Nadu Agricultural University
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To
The Editor,

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Sir,

I request that the following matter may kindly be published in your esteemed daily:

**Seasonal Rainfall Forecast for South - West Monsoon 2017 for
Different Districts of Tamil Nadu**

Tamil Nadu is a rain shadow area to South West Monsoon (SWM) and nearly 32 per cent of the total annual rainfall of Tamil Nadu is received from this monsoon. Farmers of Dharmapuri, Krishnagiri, Salem, The Nilgris Kanyakumari and western parts of Vellore and Tirunelveli are most benefitted from this seasonal rainfall.

District level rainfall forecast for the forthcoming Southwest monsoon, 2017 (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 east pacific ocean using Australian Rainman International V.4.3.software.

The historical rainfall data collected from Tamil Nadu Agricultural University Stations were used to represent the basis for district rainfall data set. In the absence of data from research station in a particular district, data from Rainman software were used alternatively. Rainfall expected during Southwest monsoon season, 2017 with 60 per cent probability is given below.

Sixty five per cent of the State will be receiving the normal rainfall during this South West Monsoon season 2017.

Normal Rainfall is expected in Salem, Namakkal, Dharmapuri, Krishnagiri and The Nilgiris districts and also for Chennai, Coimbatore, Cuddalore, Dindigul, Dindigul, Erode, Kancheepuram, Kanyakumari, Madurai, Perambalur, Pudukottai, Sivagangai, Theni, Tiruvallur, Tiruvannamalai, Villupurum and Vellore districts normal rainfall is expected.

Deficit Rainfall is expected in Nagapattinam, Ramanathapuram, Tirunelveli, Tutucorin, Tiruppur, Karur, Virudhunagar, Trichy, Thanjavur, Ariyalur and Tiruvarur districts.

For the Normal rainfall forecast districts, existing agro technologies along with weather based agro advisories and normal cropping pattern may be followed.

For the Deficit rainfall forecast districts, with the available irrigation facilities, short duration less water requiring crops may be raised. This forecast can be used for making strategic agricultural farm decisions.

Prepared By

Agro Climate Research Centre,
Directorate of Crop Management,
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Coimbatore-03

Southwest monsoon forecast for Tamil Nadu-2017 (District Wise)

S. No	Districts	Long Period Average Rainfall (mm)	Expected RF (mm)	Per cent Deviation	Category
1	The Nilgiris	759.9	776	2	Normal
2	Kanyakumari	477.4	514	7	Normal
3	Vellore	466.1	470	1	Normal
4	Chennai	439.1	394	-11	Normal
5	Kancheepuram	490.8	443	-11	Normal
6	Salem	440.6	377	-17	Normal
7	Tiruvallur	451.6	406	-11	Normal
8	Tiruvannamalai	468.1	412	-14	Normal
9	Krishnagiri	399	370	-8	Normal
10	Dharmapuri	393.4	353	-11	Normal
11	Pudukottai	350.6	325	-8	Normal
12	Cuddalore	383.1	357	-7	Normal
13	Ariyalur	392	310	-26	Deficit
14	Villupurum	408.3	359	-14	Normal
15	Namakkal	339.3	299	-13	Normal
16	Perambalur	290.7	271	-7	Normal
17	Sivagangai	301	325	7	Normal
18	Trichy	293.9	235	-25	Deficit
19	Madurai	335.9	291	-15	Normal
20	Thanjavur	318.4	252	-26	Deficit
21	Dindugal	295.4	262	-13	Normal
22	Nagapattinam	286.1	230	-24	Deficit
23	Thiruvarur	296.4	248	-20	Deficit
24	Virudhunagar	196.8	149	-32	Deficit
25	Erode	229.8	202	-14	Normal
26	Karur	213.6	162	-32	Deficit
27	Coimbatore	189.8	167	-14	Normal
28	Tiruppur	154.8	119	-30	Deficit
29	Theni	158.4	196	19	Normal
30	Ramanathapuram	149.3	121	-23	Deficit
31	Tirunelveli	142.4	113	-26	Deficit
32	Tuticorin	74.9	57	-31	Deficit

Category : Remarks

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

Deficit : |> -20% to -59% from Long Period Average Rainfall (mm)

Public Relations Officer