
 MSSRF Science for Sustainable Development	AgroMet Advisory Bulletin (AAB) Jointly released by Regional Meteorology Centre, Chennai – India Meteorology Department, Reddiarchathram Seed Growers Association & M. S. Swaminathan Research Foundation, Kannivadi Phone no.: 044 - 22541229 E mail: amfu.kannivadi@gmail.com Fax: 044 – 22541319					
	District :	Pudukkottai	Forecast Period :	19/06/2024	to	
	Bulletin No:	MSSRF/ PDK /049/ 2024	Release Date :	18/06/2024		

Significant past weather	From	14/06/202	to	17/06/202
		4		4
Parameters	Past Weather			
Rainfall (mm)	2.8			
Maximum Temperature (°C)	34-38			
Minimum Temperature (°C)	27			
Sky Condition (Octas)	5-6			
Relative Humidity (%)	42-74			
Wind Speed (kmph)	14-23			

Ensemble Weather Forecast
until **08:30Hrs of 23-06-2024**

Parameters	19-06-2024	20-06-2024	21-06-2024	22-06-2024	23-06-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	2	2	0	1	1
Maximum Temperature (°C)	38	38	37	38	38
Minimum Temperature (°C)	27	27	26	27	27
Sky Condition (Octa)	7	6	5	4	7
Max. Relative Humidity (%)	60	60	60	60	70
Min. Relative Humidity (%)	30	30	30	40	60
Wind Speed (Kmph)	12	10	12	14	12
Wind Direction	SW	SW	SW	SW	SW

SMS Advisory	Chances of very light rain during 19, 20, 21 & 23 Jun. Maximum temperature would be in the range of 37°C to 38°C and the minimum temperature would be between 26°C - 27°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 10-14 Kmph from, Southwest direction.
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General Advisory:

Extended range Forecast for next week (21st to 27th June 2024):

Rainfall:

As per extended range predictions, there is possibility of below normal rainfall likely over the district during 21st to 27th June 2024.

Maximum Temperature:

Maximum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 34°C to 38°C over the plains of the district during next week. 21st to 27th June 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 24°C to 28°C over the district during next week 21st to 27th June 2024.

Agriculture:

Farmers planning to cultivate vegetable crops are advised to apply 200 kg of well decomposed farm yard manure along with each 1 kg of Trichoderma viride and Pseudomonas fluorescens per acre.

Weather Based Agro-Advisories: (Groundnut, Brinjal & Animal Husbandry)

Groundnut:

To reduce the root rot infection in groundnut, treat the seeds with Trichoderma viride @ 5-10g/kg of seed and bacillus subtilis @ 10g/kg of seed.

Or by using chemical method, treat the seeds with carbendazim or thiram @ 2g/kg of seed 24 hours before sowing.

Brinjal:

Farmers cultivating Brinjal in June should apply herbicide before planting brinjal seedlings.

To control the weeds before they germinate, apply Pendimethalin @ 1kg/ha of Fluchloralin @ 1 litre per hectare should be sprayed uniformly as pre-emergence herbicide (1 litre in 500 litres of water) followed by a hand weeding once at 30 days after planting.

After spraying the herbicide, irrigate and transplant the seedlings.

Animal Husbandry:

Due to prevailing weather conditions, there is a chance for Black quarter disease in the cow. This disease usually affects young cattle of 6 months to about 2-3 years of age.

The symptoms are crepitating, swelling in the hind or fore quarter, lameness, and muscles shows trembling with violent twitching. Death usually occurs within 24 hours. Hyper immune serum (HIS) is used to control explosive outbreaks.

Immediately contact the local veterinarian to treat the disease. Vaccinate the cow every year one month before the rainy season.