
 MSSRF <small>Science for Sustainable Development</small>	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.kanniwadi@gmail.com Fax: 044 – 22541319				
	District :	Theni	Forecast Period :	18/10/2023 to 22/10/2023	
	Bulletine No :	MSSRF/ THN/ 083/ 2023	Release Date :	17/10/2023	

Significant past weather	From	13/10/2023	to	16/10/2023
Parameters	Past Weather			
Rainfall (mm)	71.5			
Maximum Temperature (°C)	32-34			
Minimum Temperature (°C)	23-25			
Sky Condition (Octas)	6-7			
Relative Humidity (%)	68-95			
Wind Speed (kmph)	1-4			

Ensemble Weather Forecast until 08:30Hrs of 22-10-2023

Parameters	18-10-2023	19-10-2023	20-10-2023	21-10-2023	22-10-2023
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	40	10	12	15	12
Maximum Temperature (°C)	30	30	30	29	29
Minimum Temperature (°C)	22	22	22	21	21
Sky Condition (Octas)	7	7	7	6	6
Max. Relative Humidity (%)	94	94	94	92	92
Min. Relative Humidity (%)	80	80	80	76	76
Wind Speed (Kmph)	5	5	5	4	4
Wind Direction	NE	NE	NE	E	E

SMS Advisory	Chances of Rather heavy rain on 18 Oct & Moderate rain during 19, 20, 21, 22 Oct. Maximum temperature would be in the range of 29°C to 30°C and the minimum temperature would be between 21°C - 22°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 4-5 Kmph from, Northeast & East directions
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General Advisory:

Heavy rain is likely to occur at isolated places over the district on 18 October 2023. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, inter-cultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.

Weather Based Agro-Advisories: (Pulses, Onion & Animal Husbandry)

Pluses:

Due to the prevailing weather condition the incidence of root rot in Pulses. Initially mild scattered yellow spots appear on young leaves. Spots gradually increase in size and ultimately some leaves turn completely yellow. Infected leaves also show necrotic symptoms.

Diseased plants are stunted, mature late and produce very few flowers and pods. Pods of infected plants are reduced in size and turn yellow in colour.

Soil application of *Pseudomonas fluorescens* or *Trichoderma viride* – 2.5 kg / ha + 50 kg of well decomposed FYM.

Spot drenching of Azoxystrobin @ 25 ml per tank.

Onion:

The incidence of Purple blotch disease seen in Onion. This disease symptom seen mainly at the top of the leaves; the infection starts with whitish minute dots on the leaves with irregular chlorotic areas on the tip portion of the leaves.

Circular to oblong concentric black velvety rings appear in the chlorotic area. The lesions develop towards the base of the leaf. The spots join together and spread quickly to the entire leaf area. The leaves gradually die from the tip downwards.

To prevent this, select the disease-free bulb for planting.

The field should be well drained.

To manage this, three foliar sprayings with Copper oxychloride @ 25gm per tank or Chlorothalonil @ 20gm per 10 litres of water can be given.

Animal Husbandry:

Hemorrhagic Septicemia disease may affect cattle during the rainy season. This disease mainly affects the cow, buffalo, and crossbreed cows.

The main symptoms are fever, dysentery, and swelling of the lower mandible.

Farmers are advised to approach the nearby veterinarian and vaccinate the animal once a year.