
 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 :	Dindigul	Forecast Period :	14/02/2024	to	
	Bulletin No:	MSSRF/ DGL /013/ 2024	Release Date :	13/02/2024		

Significant past weather	From	09/02/2024	to	12/02/2024
		4		4
Parameters	Past Weather			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	34-36			
Minimum Temperature (°C)	22-23			
Sky Condition (Octas)	2-3			
Relative Humidity (%)	43-88			
Wind Speed (kmph)	9-14			

Ensemble Weather Forecast
 until **08:30Hrs of 18-02-2024**

Parameters	14-02-2024	15-02-2024	16-02-2024	17-02-2024	18-02-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	1	2	0	0	0
Maximum Temperature (°C)	34	34	34	33	34
Minimum Temperature (°C)	23	24	24	23	23
Sky Condition (Octa)	3	4	4	2	2
Max. Relative Humidity (%)	90	90	80	90	90
Min. Relative Humidity (%)	50	50	40	50	50
Wind Speed (Kmph)	10	10	8	10	10
Wind Direction	NE	E	E	NE	NE

SMS Advisory	Chances of very light rain on 14 & 15 Feb. Maximum temperature would be in the range of 33°C to 34°C and the minimum temperature would be between 23°C-24°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 8-10 Kmph from, Northeast & East directions.
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General Advisory:

Since very light rain is likely to occur at one or two places over the district on 14 & 15 Feb and dry weather is very likely to prevail over the district during 16th to 18th February, hence based on the soil moisture condition of the field, farmers can provide irrigation to their crops. Mist is likely to prevail during the early morning hours, allow your cattle to graze only 2 hours after sunrise.

Wind with the speed of 8 to 10 kmphs expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Extended range Forecast for next week (16th Feb to 22nd February 2024):

Rainfall:

As per extended range predictions, below normal to near normal is likely over one or two places of the district from 16th Feb to 22nd February 2024.

Maximum Temperature:

Maximum temperatures are likely to be normal to slightly above normal and are likely to be in the range of 30°C to 34°C, over the district from 16th Feb to 22nd February 2024.

Minimum Temperature:

Minimum temperatures are likely to be slightly above normal and are likely to be in the range 18°C to 22°C over the district from 16th Feb to 22nd February 2024.

Weather Based Agro-Advisories: (Tomato, Onion & Animal Husbandry).**Tomato:**

The occurrence of root-knot nematodes and reniform nematodes was noticed in vegetable crops. The nematode-infested field shows day wilting symptoms and also galls in the root.

Farmers are advised to apply neem cake @ 400kg/ha and intercrop with marigold and also apply *Purpureocillium lilacinum* @ 2½ kg/ha mixed with 100 kg of FYM.

Onion:

Farmers involved in the sowing of small onions are advised to apply Zinc sulphate @ 10 kg, Copper sulphate @ 1Kg & Manganese sulphate @ 10kg along with farmyard manure @ 210 kg/acre as basal dose.

Animal Husbandry:

Due to the prevailing weather conditions, there is a chance of infection of Anthrax in cattle. The symptoms are fever, severe diarrhoea and dysentery, respiration becomes rapid and shortly before death, the mucous membranes appear cyanotic.

The nasal discharge appears with blood stains or purulent.

Immediately contact the local veterinarian and vaccinate your animals once in a year.