

## Agromet Advisory Bulletin for Thoothukudi district

(From 25<sup>th</sup> April to 29<sup>th</sup> April 2018)

(Issued jointly by AAS Unit, Agricultural Research Station, Kovilpatti, Tamil Nadu  
Agricultural University & India Meteorological Department)

### Significant past weather data for the preceding week (20.04.2018 -23.04.2018)

Rainfall (mm)	0.0
Maximum Temperature (°C)	33-34
Minimum Temperature (°C)	25-27
Cloud cover (Octa)	4-5
RH at 08:30 hrs (%)	71-80
RH at 17:30 hrs (%)	71-76
Wind speed (kmph)	16-28
Wind direction (deg)	160-200

### Weather forecast until 08:30 hrs of 29.04.2018

Parameters	Ensemble forecast				
	Day 1 25.04.18	Day 2 26.04.18	Day 3 27.04.18	Day 4 28.04.18	Day 5 29.04.18
Rainfall (mm)	0	0	0	0	0
Max. Temperature (°C)	36	36	35	35	35
Min. Temperature (°C)	27	27	26	26	26
Cloud cover (Octa)	4	4	5	5	5
Relative humidity (%)	70-80	70-80	50-70	50-70	50-70
Wind (kmph) (dd)	20/S	20/S	16/S	16/S	16/S

S- South

**Agromet advisories in relation to the anticipated weather having moderate to high cloud cover and moderate humidity.**

Crop/ Ecosystem	Stage / Activities	Advisories
Temperature and wind speed	Crops	<ul style="list-style-type: none"> <li>Farmers are advised to go for mulching to preserve the soil moisture for the crop growth.</li> </ul>
	Animal Husbandry	<ul style="list-style-type: none"> <li>In order to mitigate the effect of high temperature on animals provide adequate cool drinking water and green fodder and spray water on gunny bags surrounding the cattle shed.</li> <li>Vaccine for foot and mouth disease to the cattle is advised as prophylactic measure by utilizing the facility from nearby veterinary hospital.</li> </ul>
	Banana	<ul style="list-style-type: none"> <li>Prevailing moderate wind speed may damage the banana crops. Farmers are advised to do propping for Banana.</li> <li>For irrigated crops, wind speed will increase evaporation loss. Hence, regular interval of irrigation may be given to avoid heat stress.</li> </ul>

General	Summer Ploughing	<ul style="list-style-type: none"> <li>• Summer ploughing is advised to improve the infiltration rate of soil as well as to control the weed growth by utilizing the unexpected rainfall during summer months.</li> </ul>
	Green manure crop	<ul style="list-style-type: none"> <li>• Raise green manure crop by using unexpected rainfall during summer months.</li> </ul>
Banana	Bunch development stage	<ul style="list-style-type: none"> <li>• Use transparent polyethylene sleeves with 4% ventilation to cover the bunch immediately after opening of last hand to blemish free fruits with uniform size and quality.</li> <li>• Prevailing weather condition is favorable for stem weevil incidence. Spraying of Monocrotophos 36 WSC @1 ml/ lit of water.</li> </ul>
Rice	Harvest technology	<ul style="list-style-type: none"> <li>• The right stage for harvesting is when about 80% panicles have 80 % ripened spike lets and their upper portion is straw colored. The grain contains about 20% of moisture.</li> </ul>
Flower crop	Maligai	<ul style="list-style-type: none"> <li>• Prevailing weather is favorable for bud worm incidence. to control the spray any one of the chemical Thiochlorid (Alanto) 240SC @ 1 ml/litre or Spinosad (Tracer) @ 0.5 ml/lit or Spray Profenophos 25EC @ 2 ml/lit or Spray neem seed kernel extract 5 %.</li> </ul>

- SMS: Rain: Nil. Maligai - bud worm incidence - spray any one of the chemical Spray Profenophos 25EC @ 2 ml/lit or Spray neem seed kernel extract 5 %.

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