

Agromet Advisory Bulletin for Tirunelveli district

(From 21st March to 25th March 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 (16.03.2018 -19.03.20188)

Rainfall (mm)	19.4
Maximum Temperature (°C)	34-35
Minimum Temperature (°C)	24-25
Cloud cover (Octa)	3-5
RH at 08:30 hrs (%)	76-86
RH at 17:30 hrs (%)	54-58
Wind speed (kmph)	0-2
Wind direction (deg)	0-140

Weather forecast until 08:30 hrs of 25.03.2018

Parameters	Ensemble forecast				
	Day 1 21.03.18	Day 2 22.03.18	Day 3 23.03.18	Day 4 24.03.18	Day 5 25.03.18
Rainfall (mm)	0	0	0	0	0
Max. Temperature (°C)	34	34	35	35	35
Min. Temperature (°C)	25	25	26	26	26
Cloud cover (Octa)	4	4	5	5	5
Relative humidity (%)	60-75	60-75	60-70	50-70	50-70
Wind (kmph) (dd)	2/E	2/E	2/E	4/E	4/E

E- East

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

Crop/ Ecosystem	Stage / Activities	Advisories
Chilli	Flowering to fruiting stage	<ul style="list-style-type: none"> • In order to conserve soil moisture dust mulch through manual hoeing and crop residue mulch in the inter-row space may be adopted. • Fruit Rot / Die Back incidence in chilli is noticed. To control the disease spray Copper oxychloride 0.25% or Zineb 0.15%. • Prevailing weather condition increases the cut worms (<i>Helicoverpa armigera</i>) incidence. To control spray Indoxacarb 14.5 % SC @ 6.5 ml/10 lit.
Temperature	Crops	<ul style="list-style-type: none"> • Farmers are advised to go for mulching to preserve the soil moisture for the crop growth.

	Animal Husbandry	<ul style="list-style-type: none"> • Air cooling using evaporative coolers designed to reduce ambient temperatures in livestock shelters can be quite effective. • Vaccine for foot and mouth disease to the cattle is advised as prophylactic measure by utilizing the facility from nearby veterinary hospital.
Ploughing	Summer	<ul style="list-style-type: none"> • 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.
Rice	Milking stage	<ul style="list-style-type: none"> • Prevailing weather condition is favorable for Rice earhead bug. To control spray Malathion 50 EC @ 500 ml/ha twice.
	Harvest technology	<ul style="list-style-type: none"> • 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.

SMS: Rain: Nil. Rice - Earhead bug. To control spray Malathion 50 EC @ 500 ml/ha twice

Professor and Head
Agricultural Research Station
Kovilpatti