

Agromet Advisory Bulletin for Virudhunagar, Tirunelveli and Thoothukudi districts

(From 17th August to 21st August)

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

Significant past weather data for the preceding week (11.8.17- 15.8.17)

Parameters	Virudhunagar	Tirunelveli	Thoothukudi
Rainfall (mm)	47.0	4.1	7.3
Maximum Temperature (°C)	33- 36	35- 37	31- 37
Minimum Temperature (°C)	21- 25	25- 27	25- 27
Cloud cover (Octa)	6- 8	2- 4	4- 8
RH (%) at 07:00 hrs LMT	64- 73	56- 66	36- 89
RH (%) at 14:00 hrs LMT	47- 82	43- 45	81- 86
Wind speed (kmph)	3- 20	0- 2	12- 14
Wind direction (deg)	140- 290	0- 320	160- 200

Weather forecast until 08:10- 15:30 hrs of 21.8.2017

Parameters	Ensemble forecast				
	Day 1 17.08.17	Day 2 18.08.17	Day 3 19.08.17	Day 4 20.08.17	Day 5 21.08.17
Virudhunagar (VNR)					
Rainfall (mm)	15	15	15	5	10
Max. Temperature (°C)	33	34	34	34	35
Min. Temperature (°C)	23	24	24	24	23
Cloud cover (Octa)	7	6	5	5	4
Relative humidity (%)	60- 85	55- 80	55- 80	50- 75	50- 75
Wind (kmph) (dd)	4/ S	5/ S	6/ W	6/ W	4/ W
Tirunelveli (TVL)					
Rainfall (mm)	5	5	10	3	5
Max. Temperature (°C)	37	38	38	38	37
Min. Temperature (°C)	26	27	27	27	28
Cloud cover (Octa)	4	3	3	2	3
Relative humidity (%)	43- 65	40- 65	40- 60	40- 60	40- 60
Wind (kmph) (dd)	2/ NW	3/ NW	3/ NW	2/ W	2/ W
Thoothukudi (TUT)					
Rainfall (mm)	3	10	10	3	5
Max. Temperature (°C)	30	33	33	34	34
Min. Temperature (°C)	25	26	26	27	27
Cloud cover (Octa)	6	5	5	5	4
Relative humidity (%)	80- 85	75- 80	75- 80	70- 75	70- 75
Wind (kmph) (dd)	14/ S	16/ S	16/ SW	14/ SW	14/ SW

S- South, W- West, NW- Northwest and SW- Southwest

Agromet advisories in relation to the anticipated weather having light to moderate cloud cover, moderate to high rainfall and moderate humidity

Crop/ Farming system	Stage / Activities	Advisories
Virudhunagar district		
All crops	All stage	As rainfall is expected in the coming days provide adequate drainage to the crop in field in order to prevent water stagnation.
		As rainfall is forecasted for the next five days postpone spraying of plant protection chemicals.
Tirunelveli and Thoothukudi districts		
Cotton (IR)	Flowering stage	In the prevailing weather having light to moderate cloud cover and high humidity there is incidence of leaf hopper and whitefly in cotton. For controlling white fly remove and destroy alternate weed hosts like <i>Abutilon indicum</i> , <i>Chrozophore rottlari</i> , <i>Solanum nigrum</i> etc. Spraying of imidachloprid 100 ml/ ha will help to control these pests.
Brinjal	Vegetative stage	The prevailing weather is conducive for the incidence of shoot and fruit borer . Wilting occurs from 30 DAS. Remove the affected terminal shoots showing boreholes. Remove the affected fruits and destroy. Spray Quinalphos 25 EC 2 ml/ l + neem oil 3 % starting from one month after planting at 15 days interval.
Bhendi	Fruiting stage	As moderate cloud cover, light rainfall and moderate humidity expected in the coming days, fruit borer is noticed in bhendi, To control fruit borers <ul style="list-style-type: none"> • Set up pheromone trap @ 12 / ha. • Collect and destroy affected fruits. • Spray any one of the insecticide like Azadirachtin 0.03% WSP (300 ppm) 5.0 g / l or Azadirachtin 5% or Neem seed extract Concentrate 5.0 ml /10 litre.

SMS:

VNR: Rain: 17- 21.8.17: 15, 15, 15, 5& 10 mm. Brinjal - shoot and fruit borer- Quinalphos 25 EC 2 ml/ l + neem oil 3 % at 15 days interval.

TVL: Rain: 17- 21.8.17: 5, 5, 10, 3& 5 mm. Brinjal - shoot and fruit borer- Quinalphos 25 EC 2 ml/ l + neem oil 3 % at 15 days interval.

TUT: Rain: 17- 21.8.17: 3, 10, 10, 3& 5 mm. Brinjal - shoot and fruit borer- Quinalphos 25 EC 2 ml/ l + neem oil 3 % at 15 days interval.

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