

Agromet Advisory Bulletin for Thoothukudi district

(From 8th December to 12th December)

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

Significant past weather data for the preceding week (2.12.16- 6.12.16)

Rainfall (mm)	3.4
Maximum Temperature (°C)	29- 30
Minimum Temperature (°C)	23- 25
Cloud cover (Octa)	4- 8
RH (%) at 07:00 hrs LMT	87- 93
RH (%) at 14:00 hrs LMT	76- 94
Wind speed (kmph)	8- 20
Wind direction (deg)	70-160

Weather forecast until 08:30 hrs of 11.12.16

Parameters	Ensemble forecast				
	Day 1 07.12.16	Day 2 08.12.16	Day 3 09.12.16	Day 4 10.12.16	Day 5 11.12.16
Rainfall (mm)	0.5	5	4	2	0
Max. Temperature (°C)	30	30	30	30	30
Min. Temperature (°C)	24	24	24	24	24
Cloud cover (Octa)	5	5	5	5	5
Relative humidity (%)	80- 88	80- 88	80- 88	80- 88	80- 88
Wind (kmph) (dd)	15/ E	15/ E	15/ E	15/ E	15/ E

E- East

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

Crop/ Farming system	Stage / Activities	Advisories
Rice	Vegetative	In the anticipated weather having moderate cloud cover, light rainfall and high humidity, the incidence of stem borer and leaf folder is noticed in rice at vegetative stage. To control, release <i>Trichogramma japonicum</i> for stem borer and <i>Trichogramma chilonis</i> for leaf folder thrice @ 1,00,000/ ha. Spray <i>Bacillus thuringiensis</i> 1 kg/ ha.
Cotton	Squaring stage	In the prevailing weather condition, stem weevil and root rot incidence is noticed in cotton. For controlling stem weevil, <ul style="list-style-type: none"> Spot drench with 0.1% Carbendazim or 0.05% Benomyl.

		<p>To control root rot disease spray any one of the following insecticides</p> <ul style="list-style-type: none"> • Carbaryl 50 WP@ 2.5 kg/ha • Carbofuran 3G @ 33.3 kg/ha
Chilli	Vegetative stage	<p>In the expected weather, incidence of dieback disease is observed in chilli. To control,</p> <ul style="list-style-type: none"> • Spraying ziram 0.25% or captan 0.2% or a combination of zineb and copper oxychloride (e.g. Miltox 0.2%) three times. • The first spraying should be given just before flowering and the second at the time of fruit formation. The third spraying may be given a fortnight after second spraying. <p>The expected weather having moderate cloud cover and humidity is conducive for the incidence of thrips in chilli. The affected plants show symptoms of crinkling and upward curling of leaves and elongation of petiole. For controlling this pest, spray imidachloprid 17.8 % SL @ 3 ml/ 10 l of water or dimethoate 30% EC@ 1 ml/ lit.</p>

SMS: Rain: 08- 11.12.16: 0.5, 5, 4& 2 mm respectively. Cotton- to control stemweevil, spot drench with 0.1% Carbendazim or 0.05% Benomyl, root rot - Carbofuran 3G@33.3 kg/ha.

Professor and Head
Agricultural Research Station
Kovilpatti

