

Agromet Advisory Bulletin for Thoothukudi district

(From 14th April to 18th April)

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

Significant past weather data for the preceding week (11.03.17- 13.04.17)

Rainfall (mm)	0.0
Maximum Temperature (°C)	34- 35
Minimum Temperature (°C)	27- 28
Cloud cover (Octa)	4- 6
RH (%) at 07:00 hrs LMT	81- 91
RH (%) at 14:00 hrs LMT	78- 86
Wind speed (kmph)	12- 14
Wind direction (deg)	160- 200

Weather forecast until 08:30 hrs of 18.04.2017

Parameters	Ensemble forecast				
	Day 1 14.04.17	Day 2 15.04.17	Day 3 16.04.17	Day 4 17.04.17	Day 5 18.04.17
Rainfall (mm)	0	0	0	0	0
Max. Temperature (°C)	37	37	37	37	37
Min. Temperature (°C)	27	27	27	27	27
Cloud cover (Octa)	4	4	4	4	4
Relative humidity (%)	75- 80	75- 80	75- 80	75- 80	75- 80
Wind (kmph) (dd)	14/ S	14/ S	14/ S	14/ S	14/ S

S- South

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

Crop/ Farming system	Stage / Activities	Advisories
Cotton (IR)	Boll formation stage	In the expected weather during the coming days incidence of boll worms is noticed in cotton varieties. Monitor the pest by using light traps and pheromone traps. The threshold level is one egg/ plant or one larva/ plant. Avoid indiscriminate use of insecticides. Alternate different groups of insecticides for each round of spray. If the infestation crosses economic threshold level spray phosalone 35% EC 2.5 l/ ha or carbaryl 50% WP 2.5 kg/ ha.
Chilli	Fruiting	In the expected weather condition, fruit rot disease may observe in chilli. For controlling this disease spray mancozeb 2 g/ l or copper oxy chloride 2.5 g/ l three times at 15 days interval.

Tomato	Flowering and fruiting stage	Apply 12- 61- 0 fertilizer 1.14 kg/ ha, 13- 0- 45 fertilizer 6.17 kg/ ha and urea 2.8 kg/ ha through irrigation water at an interval of 3 days during the fruiting stage of tomato.
Moringa	Flowering to fruiting stage	Moringa pod fly pest is seen in the moringa grown area. For controlling pod fly, soil application of Thiamethoxam 25 WG @ 200g a.i. / ha on 150, 180 and 210 days after planting; and need based foliar spray of Spinosad 45 SC @ 56g a.i. / ha followed by Profenophos 50 EC@ 250g a.i. / ha.
Animal husbandry	Cow, sheep and goat	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.

SMS: Cotton: boll worms- Avoid indiscriminate use of insecticides. Spray phosalone 35% EC 2.5 l/ ha or carbaryl 50% WP 2.5 kg/ ha.

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