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Tirunelveli District level AAB No. 053/2024 Day & Date: Tuesday & 02.07.2024

Observed weather for the period 25 th June to 01 st July 2024							Weather Parameters / Date	Weather forecast (Valid from 03 rd July 2024 to 8:30 hrs of 07 th July 2024)				
25/06	26/06	27/06	28/06	29/06	30/06	01/07		Day 1 03/07	Day 2 04/07	Day 3 05/07	Day 4 06/07	Day 5 07/07
16.2	20.3	24.2	6.6	0.7	0.0	0.4	Rainfall (mm)	0	0	0	0	0
35	34	33	34	37	37	39	Max. Temp. (°C)	39	40	40	40	40
26	26	26	26	26	27	28	Min. Temp. (°C)	28	28	28	28	28
Generally cloudy	Mainly Cloudy	Generally cloudy	Partly cloudy	Clear sky	Clear Sky	Generally cloudy	Cloud cover (Octa)	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy
75	80	80	76	76	80	77	Relative humidity - Mor. (%)	80	70	70	80	80
63	77	61	52	60	65	54	Relative humidity - Eve. (%)	40	40	40	50	50
2	1	1	2	2	2	4	Wind speed (kmph)	18	18	18	12	12
NNW	NNW	NNW	NW	WNW	WNW	NW	Wind direction (dd)	W	W	W	WSW	WSW

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2024 to till dated
68.4	567.6

Weather forecast

- The maximum temperature may increase by up to 1°C compared to the previous week.
- No rainfall is predicted to next five days.
- Sky condition will be generally cloudy sky.
- Wind speed is expected to be 12-18 km per hour and the wind direction will be from West and west-southwest direction.

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Previous week it was wet spell week. Hence, Irrigation may be provided based on the crop requirement.
Paddy	Vegetative to Milking stage	<ul style="list-style-type: none"> • Present weather (wind) induced Bacterial Blight incidence. To control spray 3% neem oil or 5% neem extract. Use optimum dose of fertilizers. Avoid flooded conditions. • Leaf folder (or) leaf roller infestation noticed. To control at initial stage Spray NSKE 5 % or Azadirachtin 0.03% 400 ml/ac. At severe incidence spray any one of the following insecticides CartapHydrochloride 50 % SP 400 g/ac (or) Chlorantraniliprole 18.5% SC 60 g/ac.
Coconut	Physiological Maturity	<ul style="list-style-type: none"> ❖ Rhinoceros beetle pest population is noticed coinciding with the onset of monsoon. To control set up Rhino lure pheromone trap @ 5 traps/ha to trap and kill the beetles. Also, Soak castor cake at 1 kg in 5 liter of water in small mud pots and keep them in the coconut gardens to attract and kill the adults. ❖ Weather favours for rugose whitefly incidence. Spraying starch solution (1%) to dislodge the heavy sooty mould deposition on the leaves of infested plants. Use of yellow sticky traps to trap the adult whiteflies • Encourage build-up of parasitoids (Encarsia sp.) and re-introduce parasitized pupae to emerging zones of whitefly outbreak. In case of severe infestation, spray neem oil 0.5%. No insecticides should be applied to manage the pest.
Drumstick		Prevailing weather conditions is conducive to Leaf caterpillar infestation. To control, plough around trees to expose and kill pupae. Collect and destroy damaged buds along with caterpillar. Set up light trap @ 1/ha. Spray insecticides like carbaryl 50 WP@ 1gm/lit or malathion 50 EC 2 ml/lit of water.
Land preparation		In order to improve the soil quality recycles the residues of harvested crops of maize, sorghum and pulses. Use rotovator or rotoslasher for cutting the residues into small pieces and incorporate them into the soil.

SMS: Rain: Nil. Paddy- Bacterial Blight- spray 3% neem oil. Leaf folder - spray NSKE 5 % Coconut- Rhinoceros beetle- Rhino lure pheromone trap @ 5 traps/ha.

Tamil Nadu		
Moderate Westerlies/Southwesterlies prevail over the region in the lower tropospheric levels.		
Weather forecast	Next five days	Light to moderate rain is likely to occur at one or two places over Tamilnadu on Day 1 (03.07.2024). Light to moderate rain at one or two places with thunderstorm and lightning at one or two places is likely to occur over Tamilnadu on Day 2 (04.07.2024) and Day 3 (05.07.2024). Light to moderate rain is likely to occur at one or two places over Tamilnadu on Day 4 (06.07.2024).

**Professor and Head
Agricultural Research Station
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