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Thoothukudi District level AAB No. 052/2024 Day & Date: Friday & 28.06.2024

Observed weather for the period 21 st June to 27 th June 2024							Weather Parameters / Date	Weather forecast (Valid from 29 th June 2024 to 8:30 hrs of 03 rd July 2024)				
21/06	22/06	23/06	24/06	25/06	26/06	27/06		Day 1 29/06	Day 2 30/06	Day 3 01/07	Day 4 02/07	Day 5 03/07
0.0	0.0	0.0	0.0	0.2	0.0	0.0	Rainfall (mm)	0	0	1	1	1
37	36	NA	NA	37	36	36	Max. Temp. (°C)	36	37	37	36	36
28	NA	NA	27	25	27	26	Min. Temp. (°C)	26	26	25	25	25
NA	NA	NA	Generally Cloudy	Generally Cloudy	Mainly Cloudy	Mainly Cloudy	Cloud cover (Octa)	Partly Cloudy	Generally Cloudy	Mainly Cloudy	Mainly Cloudy	Mainly Cloudy
86	NA	NA	80	80	81	82	Relative humidity - Mor. (%)	70	70	70	60	60
88	NA	NA	70	74	77	70	Relative humidity - Eve. (%)	40	40	40	40	40
4	NA	NA	14	2	3	3	Wind speed (kmph)	18	18	18	14	18
S	NA	NA	WNW	WNW	W	W	Wind direction (dd)	W	W	W	W	W

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2023 to till dated
0.2	101.9

Weather forecast

- The maximum temperature is likely to be same compared to the previous week.
- Very light rainfall is predicted on day 3 (01.07.2024) to day 5 (03.07.2024).
- Sky condition will be partly to mainly cloudy sky.
- Wind speed is expected to be 14-18 km per hour and the wind direction will be from West and West-Southwest direction.

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Very light rainfall is predicted on day 3 (01.07.2024) to day 5 (03.07.2024). Farmers are requested irrigate the crop based on local weather condition.
Paddy	Vegetative to Milking stage	<ul style="list-style-type: none"> • Maintain the water level. Apply recommended fertilizer based on local weather condition. • 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. • Present weather induced Whorl maggot. To control Cartap Hydrochloride 4% G 7.5-10 kg/ac (or) Chlorpyrifos 20% EC 500 ml/ac. • 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.
Banana	All the stage	Farmers are advised to practice propping and earthing up to avoid damaged due to wind speed.
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. ❖ Red Palm Weevil incidence noticed. To control install pheromone trap @ one trap per ha Step 1: Specialized buckets with 3 of 4 holes are made, the bucket is wound with coconut fibre/ jute sack, so that the pests can enter. Step 2: The lure (Ferrolure +) is suspended inside the bucket and one lit of water is added along with 100g pineapple/ sugarcane, 2g yeast and 2g Carbaryl in the bucket. Step 3: The bait buckets are placed at sites in the farm, where infestation is seen most. Step 4: After a week the water is checked for the catch & re filled to prevent mosquitoes from breeding.

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: 01-03.07-1,1&1 mm. 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 from Day 1 (29.06.24) to Day 5 (03.07.24).
Extended		Week (05-07-2024 to 11-07-2024) - slightly above normal rainfall is likely over western ghat and adjoining southern districts of Tamilnadu and near normal rainfall is likely over rest of Tamilnadu.

**Professor and Head
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