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Thoothukudi District level AAB No.053/2023-24 Day & Date: Tuesday & 04.07.2023

Observed weather during last week (Dated 27 th June to 03 rd July 2023)							Weather Parameters	Weather forecast (Valid from 05 th July to 8:30 hrs of 09 th July 2023)				
27/06	28/06	29/06	30/06	01/07	02/07	03/07	Date	Day 1 05/07	Day 2 06/07	Day 3 07/07	Day 4 08/07	Day 5 09/07
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	4	4	0	0	0
38	38	NA	38	38	NA	NA	Max. Temp. (°C)	36	35	35	36	36
28	27	NA	28	27	NA	27	Min. Temp. (°C)	27	26	26	27	27
Generally cloudy	Partly cloudy	NA	Generally cloudy	Partly cloudy	NA	Mainly cloudy	Cloud cover (Octa)	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
83	77	NA	83	77	NA	72	Relative humidity - Mor. (%)	70	70	70	70	70
48	54	NA	48	54	NA	86	Relative humidity - Eve. (%)	60	60	50	50	50
4	10	NA	4	10	NA	17	Wind speed (kmph)	18	16	20	18	18
WNW	W	NA	WNW	W	NA	WNW	Wind direction (dd)	WSW	WSW	WSW	W	W
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2023 to till dated								
0.0				235.1								

- As per forecast received, maximum temperature will decrease with 1-2°C in next five days than previous week
- Light rainfall is predicted for day 1(05.07.2023) and day 2 (06.07.2023).
- Sky condition will be Mainly cloudy sky
- Wind speed is expected to be 16-20 km per hour and the wind direction will be from West-Southwest and West direction.

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Chance for light rainfall in coming week. Farmers are requested to plan the irrigation, based on the crop need.
Rainfall	Ploughing	Farmers are requested to practice ploughing for Soil moisture conservation
	Harvest	Harvested products to be stored in air tight room to preserve from fungus infection.
Paddy	Milking stage	<input type="checkbox"/> As rainfall is predicted for next two days, farmers are advised to avoid for spray. However, after receiving of rainfall, chance for Grain discolouration infestation. Farmers are requested to spray Carbendazim + Thiram + Mancozeb (1:1:1) 0.2%. <input type="checkbox"/> Maintain appropriate water level to avoid crop lodging
Paddy, Sorghum, Cotton	Harvest	As rainfall is predicted, Farmers are requested to harvest immediately and stored in the air tight room to avoid fungal affect.
Banana	Vegetative to bunch formation stage	<input type="checkbox"/> To avoid lodging, propping and Earthing-up operation may be practiced
Coconut	Young seedlings	Wind and rainfall may damage the crop; hence farmers are requested to provide staking so that winds may not uproot the young seedlings. Also, earthing up and raising of green manure can hold the rain water for crop stand.
Livestock	Disease Forecast of July month	<p>Foot and mouth disease- Very low risk -Regular vaccination and sero monitoring. Disinfection with sodium carbonate (4%) or 10% washing soda and strict biosecurity measures to be followed and animal movement May be controlled.</p> <p>Haemorrhagic septicaemia - very low risk - Preventive Measures: Affected animals May be treated with suitable antibiotics. Vaccination to be done in</p>

		<p>consultation with the veterinarians and as decided by state animal husbandry authorities. Strict biosecurity measures May be followed. Carcass May be disposed hygienically and stress factors May be reduced by good animal husbandry practices.</p> <p>Peste des petits ruminants- very low risk</p>
Fisherman warning	Day 1(04.07.2023) to Day 5(08.07.2023)	<p>Squally wind with speed reaching 45-55 Kmph gusting to 65 Kmph is likely to prevail over Gulf of Mannar, South Tamilnadu coast and adjoining Comorin area.</p> <p>Fishermen are advised not to venture into the above sea area during the mentioned period</p>

SMS: Rain: 05&06.07-4&4 mm. Schedule the irrigation based on the local weather. Ploughing may be practiced. Banana- propping and Earthing-up. Cotton, sorghum- harvest. Coconut- provide staking to young seedlings

Tamil Nadu		
<p>Yesterday's cyclonic circulation over southwest Bay of Bengal & neighbourhood now lies over Westcentral Bay of Bengal adjoining north Andhra Pradesh coast and extends between 1.5 & 7.6 km above mean sea level tilting southwestwards with height. Yesterday's off-shore trough at mean sea level now runs from south Gujarat coast to Kerala coast. An east-west shear zone runs roughly along 15°N between 4.5 & 7.6 km above mean sea level. Light to moderate westerlies prevail over the subdivision in the lower tropospheric levels.</p>		
Next five days	Weather warning	<ul style="list-style-type: none"> □ Light to moderate rain at a few places with thunderstorm & lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area on Day 1 (05.07.2023). □ Heavy to very heavy rain is likely to occur at one or two places over Nilgiris and Ghat areas of Coimbatore districts of Tamilnadu on Day 1 (05.07.2023). □ Heavy rain is likely to occur at one or two places over Tiruppur, Dindigul, Theni, Kanyakumari, Tirunelveli, Tenkasi, Erode, Salem, Dharmapuri & Krishnagiri districts of Tamilnadu on Day 1 (05.07.2023). □ Light to moderate rain at a few places with thunderstorm & lightning at one or two places is likely to occur over Tamilnadu, Puducherry & Karaikal area on Day 2 (06.07.2023). □ Heavy to very heavy rain is likely to occur at one or two places over Nilgiris, Ghat areas of Coimbatore & Tenkasi districts of Tamilnadu on Day 2 (06.07.2023). □ Heavy rain is likely to occur at one or two places over Tiruppur, Dindigul, Theni, Madurai, Virudhunagar, Kanyakumari & Tirunelveli districts of Tamilnadu on Day 2 (06.07.2023). □ Light to moderate rain with thunderstorm & lightning is likely to occur at one or two places is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area on Day 3 (07.07.23) □ Heavy rain is likely to occur at one or two places over Nilgiris, Coimbatore, Tiruppur, Dindigul & Theni districts of Tamilnadu on Day 3 (07.07.23) □ Light to moderate rain is likely to occur at one or two places over Tamilnadu on Day 4 (08.07.23) & Day 5 (09.07.23)

**Professor and Head
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