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Tirunelveli 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 st 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	2.0	0.2	0.0	0.0	0.0	2.9	Rainfall (mm)	22	16	8	6	3
36	35	35	36	35	35	36	Max. Temp. (°C)	35	34	33	33	32
27	27	27	27	27	27	26	Min. Temp. (°C)	26	25	25	24	24
Partly clear	Partly clear	Partly clear	Partly clear	Partly clear	Partly clear	Generally cloudy	Cloud cover (Octa)	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
65	63	62	65	63	62	62	Relative humidity - Mor. (%)	80	80	80	80	80
46	47	44	46	47	44		Relative humidity - Eve. (%)	70	70	60	60	60
2	2	1	2	2	1	6	Wind speed (kmph)	18	14	12	16	14
NNW	NNW	N	NNW	NNW	N		Wind direction (dd)	W	W	W	W	W
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2023 to till dated								
5.1				230.1								

- As per forecast received, expected gradual decrease in maximum temperature by 1-2°C in next five days.
- Light to moderate rainfall is predicted for next five days.
- Sky condition will be mainly cloudy sky
- Wind speed is expected to be 12-18 km per hour and the wind direction will be from West direction.

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Chance for rainfall in coming week. Farmers are requested to postpone the irrigation. However, if the location fails to receive irrigate 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 tighten room to preserve from fungus infection.
Paddy	Tillering to booting stage	<ul style="list-style-type: none"> □ Maintain appropriate water level to avoid crop lodging □ As rainfall is predicted for next five days, farmers are advised to avoid for spray. However, after receiving of rainfall, chance for Leaf streak infestation. Farmers are requested to Spray fresh cowdung water extract 20% or Copper hydroxide 77 WP@1.25 kg/ha is also recommended.
Cotton	Harvest	As rainfall is predicted, Farmers are requested to harvest immediately and stored in the air tight room to avoid fungal affect.
Cumbu		
Sugarcane	Cane development stage	<ul style="list-style-type: none"> □ In rainy season, the disease spreads so fast that whole crop dries and not a single milleable cane is obtained. Removal of the affected clumps at an early stage and soil drenching with Carbendazim 50 WP (1 gm in 1 litre of water). □ To avoid lodging of cane, propping and Earthing-up operation may be practiced. □ Mulch the ridges uniformly with cane trash to a thickness of 10 cm to conserve the rain water.
Banana	Vegetative to bunch formation stage	To avoid lodging, propping and Earthing-up operation may be practiced
Coconut	All stages	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	Black quarter Livestock Disease Forecast - Affected animals May be treated with suitable antibiotics. Vaccination to be done in consultation with the veterinarians and as decided by state

		<p>animal husbandry authorities. Strict biosecurity measures May be followed. Grazing area May be restricted. Carcass May be disposed hygienically.</p> <p>Bluetongue Livestock Disease – very low risk.</p> <p>Foot and mouth disease -medium risk -Regular vaccination and seromonitoring. 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</p>
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SMS: Rain: 05-09.07-22,16,8,6&3. Postpone the irrigation. Ploughing may be practiced. Sugarcane-earthing up and propping. Cotton – harvest and proper storage.

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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