Agromet Advisory Bulletin for the District, Kasaragod

(Valid from 27.03.2024 to 31.03.2024)

(Issued jointly by Kerala Agricultural University Regional Agricultural Research Station Pilicode& India Meteorological Department)

Bulletin Number:Pilicode/Ksd-25/2024	Date:26/03/2024

A.Weather Summary of preceding five days

Rainfall, mm	Max. temp., ºC	Min. temp., ºC	R. H., %	Wind speed, Km/h
0.0	34.0 – 34.5	25.0 – 25.7	65 – 82	04 - 05

B.Weather forecast for next five days

Parameters	27-03-2024	28-03-2024	29-03-2024	30-03-2024	31-03-2024
Rainfall, mm	0	0	0	0	0
Max. Temp, ºC	36	36	36	36	36
Min. Temp,ºC	26	26	26	26	26
Max. Relative Humidity, %	90	90	90	88	89
Min. Relative Humidity, %	50	48	51	49	53
Wind speed,km/h	4	3	4	4	3
Wind direction, degrees	290	290	290	340	290
Total cloud cover, octa	2	0	1	1	2

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
General conditions	**No rain ****		
	No rainfall. Temperatures will be higher during the day. Atmospheric humidity will be normal.		
General Recommendations	Mulch the crop basins. Irrigate the crop when the water is available in the evening or early morning. Adopt drip irrigation method for maximum water use efficiency. 1. Arrange for irrigation facilities from available water resources. 2. Remove weeds from the soil to reduce transpiration losses. Powder the soil to dust by breaking the clods. This will act as good soil mulch to prevent evaporation loss of water. 3. Well drained areas where lifesaving irrigation possible ragi and millets cause cultivated. 4. Take care of controlling of sucking pests; control/minimize the insect and pest incidence with IPM. 5. Repair and rejuvenate local water bodies before the rainy season.		

Various crops	Various stages	Sucking pests  The climate is favourable for the spread of sucking pests like mealy bug, jasids, aphids, mites, bugs etc. If not controlled properly they will act as vectors and may spread virus diseases.	To control the pests apply neem oil emulsion (5 ml. neem oil mixed in one litre of luke warm soap water solution) Or Apply malathion 50 EC @ 2 ml + neem oil 4ml per litre of water
Coconut	All stages	Drought Management	1) Cut two green leaves from the bottom layer, to reduce the water loss from the tree. 2) Apply compost/dried leaves in the basins to increase water holding capacity. 3) Adopt drip irrigation. This will minimize the irrigation water loss. Take care of controlling of sucking pests; control/minimize the insect and pest incidence with IPM.
Coconut	All stages	Stem bleeding 	Reduce the nut load by harvesting all the matured and about to matured nuts Chisel out the affected parts and apply Hexaconazole (Contaf®) 5ml/litre solution in the wound. After getting the wound dried, immediately smear the spot with Rubbercoat®. Drench the palm basin (2m radius) with Hexaconazole (Contaf®), 50ml dissolved in 25 litre of water per palm at monthly intervals, for 5months or till the disease fully disappears. Spread lime thickly in the basins and incorporate with the soil.

Banana	All stages	Pseudostem weevil 	Ensure field sanitation. Apply EPN infected Cadaver (@ 4 numbers per plant) in the middle whorls of the leaves during 5th and 6th months after planting (Cadaver is available at KAU Banana Research Station, Kannara. Contact number: 9605758722)
Cucurbitaceous vegetables	All stages	Downy mildew 	Downy mildew: As a prophylactic measure apply 'Mancozeb'(@ 2g/l of water). If disease appeared, spray Akomin® (@3ml/L) on both surfaces of the leaves, thrice at 15 days intervals.
Poultry and pet birds	Different stages	Summer stress 	To combat heat stress, the poultry sheds should be protected from direct sunlight, roofing can be painted white to reflect heat, fans can be fitted, cool water can be sprayed, plenty of clean water can be provided with ice, glucose and 0.1 % sodium bicarbonate, feed offered during the cooler parts of the day can be supplemented with 20% extra vitamins, phosphorous and vitamin C.
Animal Husbandry	All stages	Summer Stress 	The rise in temperature will affect the thermoregulatory mechanism of dairy cattle. This will cause increase in body temperature, rapid shallow breathing, increased heart rate, profuse salivation, and reduced feed intake. This in turn results in severe production loss and reduced breeding efficiency in dairy cattle. Provide pure drinking water to the dairy cattle (45 to 60 litres of water), Allow grazing only during the cooler parts of the day. Provide shading. Shelter them in thatched roofings of minimum 9 ft. height with ample ventilation. Providing fans, misting and fogging assembly in cattle sheds will help them to regulate body temperature. Also ensure minerals fortified feeds.

Bovines	All stage	Lumpy skin 	Lumpy skin disease is a viral disease that affects cattle and it is transmitted by blood-feeding insects, such as certain species. of flies and mosquitoes, or ticks. It causes fever, nodules on the skin and can also lead to death. **Prevention:** Keep the shed and surroundings clean and hygiene. Movement of cattle should be controlled and provide vaccination under the recommendation of vetenary doctor.

***** Warning colour codes of rainfall (for disaster management)***

Warning (Take actions)	**Alert (Be prepared)**	**Watch (Be updated)**	**No warning (No actions)**

Sd/-
Nodal Officer,
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