



Agromet Advisory Bulletin for the District, Kozhikode

(Valid from 09.09.2023 to 13.09.2023)



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

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Date: 08/09/2023

A. Weather Summary of preceding four days


Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
196.9	29.6 – 33.6	23.8 – 24.9	89 - 98	00 - 20

B. Weather forecast for next five days

Parameters	09-09-2023	10-09-2023	11-09-2023	12-09-2023	13-09-2023
Rainfall, mm	17	9	7	5	8
Max. Temp, °C	31	31	31	31	32
Min. Temp, °C	25	25	25	25	25
Max. Relative Humidity, %	98	94	92	92	94
Min. Relative Humidity, %	89	85	80	80	78
Wind speed, km/h	5	5	8	3	3
Wind direction, degrees	290	290	290	340	270
Total cloud cover, octa	8	8	8	8	7

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
			Isolated heavy rainfalls **
General conditions			<p>There will be Isolated heavy rainfalls (up to 115.5 mm within a time span of 24 hours). The sky will be cloudy. High relative humidity will be experienced. The atmospheric temperature will come down.</p> <p>Isolated heavy rainfall very likely from 8th to 10th September 2023.</p> <p>Light to moderate rainfall very likely on 11th and 12th September 2023.</p>
General Recommendations			<p>Conserve water in the rice fields. Irrigation and fertilizer applications to the crops may be postponed.</p> <p>Beware of heavy wind. Don't rest under the trees and in weak shelters.</p> <p>Transport produces like rice, rubber, copra, pulses, vegetables, seeds, cattle/poultry feeds etc., and fertilizers from open places to store houses.</p> <p>Give strong propping to banana, vegetables and other soft stemmed crop plants.</p> <p>Neither keep the livestock in open places, nor allow them for grazing. They should be</p>

	sheltered under strong roofs. Spraying should be done when there is no rainfall. Adhesive /sticking agents should be used to prevent runoff of pesticide, fungicide etc.		
Rice	Flowering to grain filling stage for late sown first crop/ Transplanting and Tillering stage for early second crop	Crop loss due to flooding	If rainfall persists open the drainage channels in the fields. Fertilizer application/spraying operations if any may be postponed at the time of very heavy rainfalls. Keep perforated cloth bags filled with beaching powder at the entry faces of water into the fields.
Coconut and tree crops	Newly planted seedlings	Water stagnation and decaying of growing bud (bud rot)	Do not allow water stagnation in the planted pits and prevent the collection of runoff water in the pits. Postpone agricultural activities like fertilizer applications, ploughing the fields etc. till the cessation of heavy rainfalls. 1. Immediately after the heavy rainfalls spray 1 % Bordeaux mixture on the leaves and growing buds of the seedlings, only after mixing any one sticking agent to the fungicide. 2. If water stagnation occurred in the fields, immediately after the withdrawal of rainfalls drain the pits and rake the soil to provide aeration
Cashew	Pre-bearing stages	Tea mosquito bug 	Prophylactic measures: 1) The fungal biological control agent, <i>Beauveria bassiana</i> can be sprayed @ 20g/L Or 2) Spray 1% Bordeaux mixture mixed with quinalphos (2ml/litre of Bordeaux mixture)
Black pepper	Different growth stages	Water logging	If rainfall persists open the drainage channels. Keep the plantations hygienic by removing rotten and decaying wines, fallen berries etc. Keep vigilance on appearance of wilting or rotting of plants. If appears, in the initial stage itself spray 1% Bordeaux Mixture on the leaves and growing buds, only mixing any one sticking agent to the fungicide.

Banana	Different growth stages	Lodging, decaying of pseudo stem due to flooding	Give strong supports to the plants. After withdrawal of rainfalls rake the root zone and do earthing up operation.
Ginger/ Turmeric	Early growth stages	Rotting due to water logging	Immediately after the rainfall, raking and earthing up operations should be done and drench 1% Bordeaux Mixture as a prophylactic measure to check rotting.
Vegetables	Early growth stages	Water stagnation and lodging	Give strong supports to the plants and pandals. If rainfall persists open the drainage channels. Immediately after the withdrawal of heavy rainfalls adopt earthing up operations.
Live stocks	All stages	Fungal attack on feeds/Fever etc.	Do not shelter them under trees or weak roofs. Keep the shelters moisture free. Fumigate the sheds daily twice. Give nutrient supplements after discussing with a Veterinary doctor. Store sufficient quantity of feeds. Store the feeds in moisture free rooms. Adopt vaccinations. If fever or any disease like symptoms appears with no delay take the advice of a Veterinary doctor

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

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