



Date: 07/09/2023

Time: 1300 HRS IST

IMPACT BASED FORECAST FOR HEAVY RAINFALL & THUNDERSTORM OVER KOZHIKODE DISTRICT -

Forecast	1) Isolated heavy to very heavy rainfall very likely over Kozhikode district on 7 th September 2023.			
	2) Isolated heavy rainfall very likely over Kozhikode district from 8 th to 10 th September 2023.			
Impact Expected	<ul style="list-style-type: none"> Unseasonal rains may cause flooding in the lowlands. Heavy rainfall results in the flooding of the cropped field which damages the crop in the maturity stage High winds cause lodging of the banana plants Those vegetables in pandals will be damaged due to high winds 			
	Crop	Stage	Likely Impact on crop	Advisory & Action Suggested
	Rice	Transplanting and Tillering	<ul style="list-style-type: none"> Crop Loss due to flooding 	<p>If rainfall persists open the drainage channels in the fields.</p> <p>Fertilizer application/spraying operations if any may be postponed at the time of very heavy rainfalls.</p> <p>Keep perforated cloth bags filled with beaching powder at the entry faces of water into the fields.</p>
	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.
	Coconut and tree crops	Newly planted seedlings	Water stagnation and decaying of growing bud (bud rot)	<p>Do not allow water stagnation in the planted pits and prevent the collection of runoff water in the pits.</p> <p>Postpone agricultural activities like fertilizer applications, ploughing the fields etc. till the cessation of heavy rainfalls.</p> <ul style="list-style-type: none"> 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. If water stagnation occurred in the fields, immediately after the withdrawal of rainfalls drain the pits and rake the soil to provide aeration
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.	

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.
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.
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



Crop advisory from:
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Regional Agricultural Research Station (Northern Zone)
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 Kasaragod - 671310

Contact:
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General Action Suggested	<ul style="list-style-type: none"> Harvest the crop as early as possible Provide proper drainage in the cropped field if heavy rainfall is expected Propping of the banana plants recommended Additional support of the pandals recommended Keep away from open fields to avoid lightning stroke to livestock and farmers in the afternoon.
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COLOR CODES

Very Low	No action
Low	Be updated
Medium	Be prepared
High	Take Action

For Head
 State Agriculture Meteorological Centre,
 Thiruvananthapuram

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