



Date: 25/10/2024

Time: 1330 HRS IST

IMPACT BASED FORECAST FOR AGRICULTURAL SECTOR

HEAVY RAINFALL OVER ERNAKULAM DISTRICT

Forecast	1) Heavy to very heavy rainfall is very likely to occur at isolated places over Ernakulam district on 25th October 2024.			
	2) Heavy rainfall is very likely to occur at isolated places over Ernakulam district on 26 <sup>th</sup> October 2024.			
Thunderstorm with lightning is very likely to occur at one or two places in Kerala from 25 <sup>th</sup> to 27 <sup>th</sup> October 2024.				
Impact Expected for Agricultural sector	<ul style="list-style-type: none"> <li>Heavy rains may cause flooding in the lowlands.</li> <li>Heavy rainfall results in the flooding of the cropped field which damages the crop in the maturity stage.</li> <li>High winds cause lodging of the banana plants.</li> <li>Those vegetables in pandals will be damaged due to high winds.</li> </ul>			
	Advisory prepared by the Dept. of Agril. Meteorology, Kerala Agricultural University, COA, Vellanikkara			
	Crop	Stage	Likely Impact on crop	Advisory & Action Suggested
	Rice (Mundakan)	Seedling stage	<ul style="list-style-type: none"> <li>Waterlogging.</li> <li>Crop damage</li> </ul>	<ul style="list-style-type: none"> <li>Ensure Proper drainage facilities.</li> <li>Paddy plants are likely to be damaged due to waterlogging.</li> </ul>
	Banana	All stages	<ul style="list-style-type: none"> <li>Lodging due to heavy wind</li> <li>Crop damage</li> </ul>	<ul style="list-style-type: none"> <li>Ensure Proper drainage facilities.</li> <li>Propping should be done to protect banana plants from heavy rain and wind</li> </ul>
	Coconut	All stages	<ul style="list-style-type: none"> <li>Flooding</li> <li>Crop damage</li> </ul>	<ul style="list-style-type: none"> <li>Ensure Proper drainage facilities.</li> <li>Open the basin of coconut palms to hold rain water.</li> </ul>
	Vegetables	All stages	<ul style="list-style-type: none"> <li>Flooding</li> <li>Crop damage</li> </ul>	<ul style="list-style-type: none"> <li>Ensure Proper drainage facilities.</li> <li>Staking is recommended for vegetables in pandals.</li> </ul>
Animal Husbandry	Cattle feed should be stored on a wooden board or iron board. If moisture is present in the cattle feed it may cause deadly fungal growth. Animals should not be allowed to go to water logged areas in order to avoid anthrax and foot lesions. Apply disinfectants in drinking water. Avoid water logging near the cattle shed. The cow dung pit can be covered to protect from direct falling of rain. Keep away livestock from open fields to avoid lightning and thunder.			
General Action Suggested	<ul style="list-style-type: none"> <li>Harvest the crop as early as possible</li> <li>Provide proper drainage in the cropped field as heavy rainfall is expected</li> <li>Propping of the banana plants recommended</li> </ul>			

- Additional support of the pandals recommended
- Keep away from open fields to avoid lightning stroke to livestock and farmers in the afternoon

**COLOR CODES**

<b>Very Low</b>	<b>No action</b>
<b>Low</b>	<b>Be updated</b>
<b>Medium</b>	<b>Be prepared</b>
<b>High</b>	<b>Take Action</b>

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