

भारत सरकार
भारत मौसम विज्ञान विभाग
(पृथ्वी विज्ञान मंत्रालय)
मौसम केन्द्र
तिरुवनंतपुरम - 695 033



GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT
(Ministry of Earth Sciences)
METEOROLOGICAL CENTRE
Thiruvananthapuram-695 033

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**Kerala Agricultural University
Regional Agricultural Research Station, Pilicode**

Impact based forecast (IBF) for Agriculture for Kannur district, Kerala

(based on the forecast issued on 15.11.2021)

District Level Forecast and warning issued by MC, Thiruvananthapuram 15.11.2021

15.11.2021	<ul style="list-style-type: none">• Heavy to very heavy rainfall likely to occur at isolated places in the district of Kannur• Thunderstorm with moderate rainfall and gusty winds speed reaching 40 kmph is likely to occur at isolated places in the district of Kannur
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IBF & Agromet Advisories based on the forecast issued on 15.11.2021

District	Crop	Stage	Likely Impact on crop	Advisory
Kannur	Rice	At stages from Transplanting to Maximum Tillering	<ul style="list-style-type: none">• Crop loss due to complete impaired drainage/ water stagnation (flooding) beyond bearing capacity of the crop• Rot (both bacterial and fungal) due to water stagnation for more than 24 hours	<ul style="list-style-type: none">• Avoid agricultural operations whenever there are heavy winds, lightning and downpours. Stay safely under protected conditions. Before the arrival of rain the following precautionary measures can be taken if possible.• Open all the drainage channels• Keep bleaching powder containing small porcelain cloth bags at the of entry face of water channels into the fields to avoid decay

Kannur	Coconut/ Arecanut/Tree crops	Newly planted seedlings	<ul style="list-style-type: none"> • Damages due to water stagnation 	<p>Only if possible, provide strong bunds around the pits to prevent the entry of runoff water into the basins. Do not allow water stagnation in the basins.</p> <ul style="list-style-type: none"> • Immediately after the rain, If any water stagnation, drain/remove the water wherever possible and rake the basins periodically for aerating the roots. • Apply lime to the soil as a disinfectant and incorporate.
	Vegetables	Transplanting/ sowing	<ul style="list-style-type: none"> • Crop loss 	<ul style="list-style-type: none"> • Postpone transplanting, fertilizer applications etc. • Provide strong supports to crops like tomato and pandals of guards. • After the cessation of rain, while transplanting/sowing, plant only on raised beds/ridges/mounds. Ensure moderately deep drainage channels in between lines of planting.
	Tapioca / root crops/Turmeric/Ginger	Different stages	<ul style="list-style-type: none"> • Crop loss 	<ul style="list-style-type: none"> • Harvest all the matured crops as quickly as possible, before the arrival of rain, and transport immediately to a safe places. During rain/lightning, never attempt for the harvest. Provide adequate drainage in the fields.
	Black pepper	Different stages	<ul style="list-style-type: none"> • Basal rot/wilting 	<ul style="list-style-type: none"> • Provide good drainage. Intermittently watch the basal portions to see basal rot if any. If basal rot/wilt appears drench Redomil® (@2g/l) on rain free day.
	Banana,	Different stages	<ul style="list-style-type: none"> • Crop loss • Decaying 	<ul style="list-style-type: none"> • Give strong propping • Provide good drainage • Immediately after the cessation of rain, rake the basal region and apply lime as a disinfectant
	Live stocks	Different stages	<ul style="list-style-type: none"> • Life threatening • Infections • Contamination of the feeds 	<ul style="list-style-type: none"> • Don't allow the cattle to graze in open places. Shelter them under strong roofs. • Keep the sheds moisture free through fumigation • Keep hygiene

				<ul style="list-style-type: none">• Keep feeds under raised platform• Ensure sufficient stock of the feeds
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