



# **Impact Based forecast for Agriculture & Agro-met Advisory for the State of Arunachal Pradesh**

on

**09 April 2024**

For

**( 10,11 & 12 April 2024 )**

issued by

**Meteorological Centre, Itanagar, Arunachal Pradesh**

**INDIA METEOROLOGICAL DEPARTMENT**

in collaboration with

AMFU, BASAR, ICAR A.P. Centre

**<https://mausam.imd.gov.in/itanagar/>**



**ICAR Research Complex for NEH Region**  
**Gramin Krishi Mausam Sewa**  
**Arunachal Pradesh Centre, Basar**  
**Agro-Met Advisory Bulletin**



**Date**

**WARNING**

**10-04-2024**

**Heavy rain very likely at isolated places**

**District Level Forecast and warning issued by RMC, Guwahati on 10-04-2024**

**Impact based forecast (IBF) & Agromet Advisories**

<b>General Advisory</b> <ol style="list-style-type: none"> <li><b>Avoid working in open field during rain and thunderstorms</b></li> <li><b>Keep animals confine in their shed away from metal object or machinery</b></li> <li><b>Immediately harvest mature/almost-mature crops and store in dry places</b></li> <li><b>Avoid working in slopes and landslide-prone area</b></li> <li><b>Avoid application of insecticides/fertilizers</b></li> </ol>				
<b>District</b>	<b>Crop</b>	<b>Stage</b>	<b>Likely Impact on crop</b>	<b>Advisory</b>
<b>Siang</b>	Livestock/ Poultry	All stage		<ul style="list-style-type: none"> <li>Confine the animals in protected shelter and ensure that there is no leakage in it,</li> <li>Avoid overcrowding of animals/birds,</li> <li>Make sure availability of plenty of forage or other roughage available to cattle/birds along with quality mineral supplements and clean drinking water.</li> <li>Make proper drainage around the shed to avoid water stagnation/flood,</li> <li>Provide extra bedding materials to the animals/birds</li> <li>Keep the poultry bedding sufficiently above the ground</li> <li>Keep animal/bird feeds in proper dry place to avoid wetness</li> <li>Do not keep animals/birds near any metal object, poles, machinery etc.</li> </ul>
	Fishery	All stage	Pond overflow, oxygen depletion due to inflow of muddy water, erosion of dykes, escape of fishes due to overflow	<ul style="list-style-type: none"> <li>Assure that pond dykes were strong enough to withstand erosion during rains.</li> <li>Whirl the pond water with a long bamboo water to increase the oxygen content in the pond,</li> <li>Net fencing can be provided to prevent escape of fish with overflow in case of high intensity rainfall.</li> <li>Keep the dykes three-four ft raised above the ground level so that water from the catchment area does not enter the pond.</li> <li>In case water becomes muddy due to erosion or inflow of muddy water, application of limestone in accordance to water pH is</li> </ul>

				recommended.
	Vegetables	Sowing/ maturity	Damage due to runoff and flood	<ul style="list-style-type: none"> <li>• Avoid fresh sowing of seeds</li> <li>• Immediately harvest all mature crops and store in proper dry places,</li> <li>• Maintain proper drainage in the field to avoid water stagnation and flood,</li> <li>• Cover the already sown area with naturally available mulching materials like farm residue/dry leaves,</li> <li>• Weeding must be avoided,</li> <li>• Ensure proper runoff management in the slopes,</li> </ul>
	Fruits	All stages	Damage due to flood, runoff and landslide	<ul style="list-style-type: none"> <li>• Make half-moon basins around the fruit trees in the slopes,</li> <li>• Ensure proper runoff management in the slopes,</li> <li>• Make/maintain proper drainage in the orchard to avoid water stagnation/flood,</li> <li>• Provide proper support to fruit bearing trees especially to banana tree.</li> </ul>
	Jhum paddy	Land preparation/ sowing	Damage due to flood, runoff and landslide	<ul style="list-style-type: none"> <li>• Make proper arrangement for runoff management in the slopes by putting obstacles across the slopes for already sown crops</li> <li>• Weeding is not advised</li> <li>• Avoid application of fertilizers and insecticides</li> </ul>



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**Date**

**WARNING**

**11-04-2024**

**Heavy rain very likely at isolated places**

**District Level Forecast and warning issued by RMC, Guwahati on 10-04-2024**

**Impact based forecast (IBF) & Agromet Advisories**

General Advisory	<ol style="list-style-type: none"> <li>1. Avoid working in open field during rain and thunderstorms</li> <li>2. Keep animals confine in their shed away from metal object or machinery</li> <li>3. Immediately harvest mature/almost-mature crops and store in dry places</li> <li>4. Avoid working in slopes and landslide-prone area</li> <li>5. Avoid application of insecticides/fertilizers</li> </ol>			
District	Crop	Stage	Likely Impact on crop	Advisory
Siang	Livestock/ Poultry	All stage		<ul style="list-style-type: none"> <li>• Confine the animals in protected shelter and ensure that there is no leakage in it,</li> <li>• Avoid overcrowding of animals/birds,</li> <li>• Make sure availability of plenty of forage or other roughage available to cattle/birds along with quality mineral supplements and clean drinking water.</li> <li>• Make proper drainage around the shed to avoid water stagnation/flood,</li> <li>• Provide extra bedding materials to the animals/birds</li> <li>• Keep the poultry bedding sufficiently above the ground</li> <li>• Keep animal/bird feeds in proper dry place to avoid wetness</li> <li>• Do not keep animals/birds near any metal object, poles, machinery etc.</li> </ul>
	Fishery	All stage	Pond overflow, oxygen depletion due to inflow of muddy water, erosion of dykes, escape of fishes due to overflow	<ul style="list-style-type: none"> <li>• Assure that pond dykes were strong enough to withstand erosion during rains.</li> <li>• Whirl the pond water with a long bamboo water to increase the oxygen content in the pond,</li> <li>• Net fencing can be provided to prevent escape of fish with overflow in case of high intensity rainfall.</li> <li>• Keep the dykes three-four ft raised above the ground level so that water from the catchment area does not enter the pond.</li> <li>• In case water becomes muddy due to erosion or inflow of muddy water, application of limestone in accordance to water pH is</li> </ul>

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	Fruits	All stages	Damage due to flood, runoff and landslide	<ul style="list-style-type: none"> <li>• Make half-moon basins around the fruit trees in the slopes,</li> <li>• Ensure proper runoff management in the slopes,</li> <li>• Make/maintain proper drainage in the orchard to avoid water stagnation/flood,</li> <li>• Provide proper support to fruit bearing trees especially to banana tree.</li> </ul>
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**Date**

**WARNING**

**12-04-2024**

**Heavy rain very likely at isolated places**

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District	Crop	Stage	Likely Impact on crop	Advisory
East Kameng, Lower Dibang Valley	Livestock/ Poultry	All stage		<ul style="list-style-type: none"> <li>• Confine the animals in protected shelter and ensure that there is no leakage in it,</li> <li>• Avoid overcrowding of animals/birds,</li> <li>• Make sure availability of plenty of forage or other roughage available to cattle/birds along with quality mineral supplements and clean drinking water.</li> <li>• Make proper drainage around the shed to avoid water stagnation/flood,</li> <li>• Provide extra bedding materials to the animals/birds</li> <li>• Keep the poultry bedding sufficiently above the ground</li> <li>• Keep animal/bird feeds in proper dry place to avoid wetness</li> <li>• Do not keep animals/birds near any metal object, poles, machinery etc.</li> </ul>
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