



**SPECIAL AGROMET-ADVISORY BULLETIN FOR UPCOMING HEAVY TO
VERY HEAVY RAINFALL CONDITION**

Under the influence of the cyclonic circulation over Northwest and adjoining Westcentral Bay of Bengal, a Low Pressure area has formed over Northwest Bay of Bengal off Odisha coast at 0830 hrs IST of today, the 27th May 2025. The associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwards with height. It is likely to move slowly northwards and become more marked during next 48 hours.

Details Forecast as follows:

Rainfall Forecast for Cuttack District:

Day-1(Tuesday 8.30 AM to Wednesday 8.30 AM): Moderate with isolated heavy rainfall very likely occur at most blocks of Cuttack district on Tuesday.

Day-2(Wednesday 8.30 AM to Thursday 8.30 AM): Heavy with isolated very heavy rainfall very likely to occur at most blocks of Cuttack district on Wednesday.

Day-3(Thursday 8.30 AM to Friday 8.30 AM): Heavy with isolated very heavy rainfall very likely to occur at most blocks of Cuttack district on Thursday.

Day-4 (Friday 8.30 AM to Saturday 8.30 AM): Moderate rainfall likely to occur at most blocks of Cuttack district on Friday.

Day-5(Saturday 8.30 AM to Sunday 8.30 AM): Light to Moderate rainfall likely to occur at most blocks of Cuttack district on Saturday.





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Sp-Bulletin No.-04

Date- 27/05/2025

Impact based Agro-met advisories After rain

District	Crop/vegetables /fruits	Stage of Crop/Vegetable s/ Fruits at Cuttack district	Likely Impact on crop/vegetables/fruits due to rain	After Rain Agro-met Advisory
Crop	Sugarcane	Vegetative	<ul style="list-style-type: none"> water logging due to heavy rainfall  <ul style="list-style-type: none"> Red rot , wilt disease due to high soil moisture 	<ul style="list-style-type: none"> Drain out excess water from the field. For Red rot and wilt disease, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2%SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days.
	Maize	Vegetative to Maturity	<ul style="list-style-type: none"> Water logging due to heavy rainfall  <ul style="list-style-type: none"> Post harvest loss  <ul style="list-style-type: none"> Less dry matter/yield Reduction in plant canopy height Stem rot, Banded leaf blight, fall army worm infestation due to rain 	<ul style="list-style-type: none"> Drain out excess water from the field. Do not keep the stagnant water. Reduce nitrogen application and apply recommended dose of P and K as basal to increase water logging resistance. To control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppmneem oil /1 lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. Forecasted rainy and humid weather favors infestation of bandedleaf blight, to control this spray Validamycin 3.0% SL or Hexaconazole 5.0%EC 400ml/200ltr water for one

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			acre. <ul style="list-style-type: none"> Standing water promotes bacterial stalk rot. To prevent this disease apply Copper oxychloride 50% WP @ 3 g/litre of water.
Jute	Sowing	<ul style="list-style-type: none"> Seed displacement poor germination due to water logging Weed 	<ul style="list-style-type: none"> Resume sowing of the crops after drainout excess water from the field. Keep the field in vapsa condition. Forecasted rain will aggravate weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds.
Pulses : Green gram, Black gram	Flowering to pod development/ Maturity	<ul style="list-style-type: none"> Water logging due to heavy rainfall Pod loss Wilting, stem rot, Rust diseases and pod borer infection 	<ul style="list-style-type: none"> Drain out excess water from the field. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If wilting will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. A protective spray with Mancozeb @ 0.3% may be given to pulse crops (green gram and black gram) against Cercospora blight disease.





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	Cucurbits (Cucumber, Pumpkin, Watermelon, Pointed gourd, Ridgegourd)	Flowering to fruiting/ Harvesting	<ul style="list-style-type: none"> • Flower drop • Fruit rot • Water logging situation • Fungal disease infestation 	<ul style="list-style-type: none"> • Maintain proper drainage in the field. • Foliar spray of 2% DAP + 1% KCl (MOP). • Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. • Spray chlorothalonil or 0.2%Metalaxyl 8% + Mancozeb 64% @ 0.2% against downy mildew diseases of cucurbit crops. • To control phytopthera blight in cucurbits spray pyroclostrobin 5%+ metiram 55% WG 3-4 gram per liter water.
	Vegetables(Brinjal, Tomato, Cilli)	Vegetative to harvesting	<ul style="list-style-type: none"> • Lodging • Fruit damage/Flower drop • Bacterial wilt • Soil borne fungal diseases 	<ul style="list-style-type: none"> • Open drain and channels in vegetable fields to facilitate drainage of excess water. • Foliar spray of 2% DAP + 1% KCl (MOP). • Foliar application with antibiotic (Streptocycline (300-500 ppm) and soil drenching with Streptocycline(1g/10 lit)copper oxychloride 0.2% at 10 days interval to control wilt disease. • Seedling rot is likely to appear in vegetable nursery after rain. Spray Metalyxyl+Mancozeb/Carbox in+Thiram@2g/litre or Copper oxychloride@2.5g/litre of water to control it. • Due to rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3

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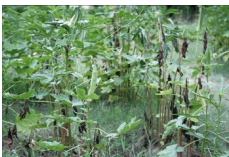

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				g/litre of water. If necessary spray second and third round at 15 days interval.
	Vegetables(Okra)	Fruting to harvesting	<ul style="list-style-type: none"> Water logging situation Wet rot Fusarium and phytopthera infection due to wet soil condition  <ul style="list-style-type: none"> Cercospora leaf spot. 	<ul style="list-style-type: none"> Open drain and channels in vegetable fields to facilitate drainage of excess water. Spray Metalaxyl+Mancozeb/Carbo xim+Thiram@2g/litre to control rot or soil borne fungal disease. Foliar spraying of Trifloxystrobin25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.
	Fruits (Mango)	Pea size to fruiting/ Harvesting	<ul style="list-style-type: none"> Fruit drop Anthrachnose Fruit fly infestation Water logging situation 	<ul style="list-style-type: none"> Open drain and channels in fruit fields to facilitate drainage of excess water. Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control Anthrachnose. Spray Deltamethrin 2.8% EC to control fruit fly.
	Fruits (Banana, Papaya, Lemon)	Vegetative to Fruiting	<ul style="list-style-type: none"> Lodging Fruit damage 	<ul style="list-style-type: none"> In Banana Drain the excess water as soon as possible. Spray 1% KNO3 or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For leaf spot/sigatoka as a precautionary measure spray carbendizim + mancozeb @

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			  <ul style="list-style-type: none"> • Panama wilt and sigatoka due to rain and humid weather in Banana and crown rot in Papaya  	<p>2.0 g / litre of water followed by (15 days after) chlorothalanil@ 2.0 g/ litre of water.</p> <ul style="list-style-type: none"> • Drenching soil with Metiram 75% WG @1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent Panama wilt. • Spray application of Copper Oxychloride @3 g/litre of water or Carbendazim @1 g/lit or Thiophanate Methyl @1 g/lit at 15 days interval to control papaya Crown rot.
	Livestocks		<p>parasitic problem</p>	<ul style="list-style-type: none"> • Keep the livestock indoors during rainfall if possible keep them loose inside the shed. • Keep fodder at safe place to avoid spoilage from rainfall. • Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. As parasitic problem is a major headache in current situation, give animals medicine after faecal matter at nearby veterinary hospital and in consultation with nearby veterinarian.

