



SPECIAL IMPACT BASED AGROMET-ADVISORY BULLETIN FOR ANTICIPATED HEAVY TO VERY HEAVY RAINFALL CONDITION OVER CUTTACK DISTRICT

Subject: Depression over Westcentral and adjoining Northwest Bay of Bengal

The Depression over Westcentral & adjoining Northwest Bay of Bengal, moved nearly west northwestwards with speed 18 kmph during past 06 hours and lay centred at 0830 hrs IST of today, the 22nd September, 2026, over the same region near latitude 17.9°N and longitude 86.0°E, about 200 km southeast of Gopalpur (Odisha), 200 km east-southeast of Kalingapatnam (Andhra Pradesh), 210 km south of Puri (Odisha), and 290 km east of Visakhapatnam (Andhra Pradesh).

It is very likely to move west-northwestwards & intensify into a deep depression over Westcentral & adjoining Northwest Bay of Bengal during next 12 hours. Continuing to move west northwestwards it is very likely to cross north Andhra Pradesh - South Odisha coasts between Visakhapatnam & Gopalpur as a Deep Depression during the night of 23rd to early hours of 24th September 2026.

Details Forecast and warning as follows:
Rainfall Forecast for Cuttack District:

Day-1(Tuesday): Isolated heavy rainfall & thunderstorm with lightning with wind speed of 40-50 kmph gusting 60 kmph is likely occur at many places of Cuttack district. (30-35 mm Rainfall)

Day-2(Wednesday): Isolated heavy rainfall & thunderstorm with lightning with wind speed of 40-50 kmph gusting 60 kmph is likely occur at many places of Cuttack district. (35-40 mm Rainfall)

Day-3(Thursday): Moderate rainfall & thunderstorm with lightning is likely occur at many places of Cuttack district. (15-20 mm Rainfall)

Day-4(Friday): Light to Moderate rainfall & thunderstorm with lightning is likely occur at many places of Cuttack district. (11-15 mm Rainfall)

Day-5(Saturday): Light rainfall & thunderstorm with lightning is likely occur at many places of Cuttack district. (07-10 mm Rainfall)





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Impact based Agro-met advisories due to heavy to very heavy rain

District	Crop/vegetables /fruits	Stage of Crop/Vegetable s/ Fruits at Cuttack district	Likely Impact on crop/vegetables/fruits due to rain	Agro-met Advisory
Cuttack	Kharif Rice	Vegetative to Reproductive stage	- Water logging situation may lead to different disease and pest infestation - Fungal and bacterial Disease infestation may occur like Sheath blight, bacterial leaf blight, stem rot, blast. - Pest infestation may occur like Gall mildge, leaf folder, swarming caterpillar, stem borer - Heavy weed infestation Respiratory metabolism changed to anaerobic Water and nutrient uptake affected Toxic element in root zone	- Drain out excess water in standing rice crop by making alleys (Pahi). - Maintain 5-10 cm water level during reproductive Stage and 2-5 cm water during vegetative stage. - Farmers should stop Urea application in rice field up to receding of flood water. - Take proper plant protection measure after receding of heavy rainfall. Forecasted cloudy and humid weather favors incidence of blast disease in rice to control disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water. - Due to water logging situation in Cuttack district as well as in the blocks sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of Foot rot, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying



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				theweather. • To control bacterial leaf blight spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. • In Gall midge affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest. • If swarming caterpillar observed in field, spray Chloropyrifos 20% EC @ 2.5 ml/litre of water sky becomes clear. • There is chance for leaf folder infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water • Decrease in temperature and sunshine, increase in humidity (80-90%), and continuous rainfall lead to infestation of stem borer at tillering stageof rice, to control this applyAzadirachtin 0.15% EC @ 800 ml/acre orCartap hydrochloride 4G @ 10kg/acre. • If Brown Plant Hopper (BPH)
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				infestation will be observed in rice, go for alternate wetting and drying. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. - To control weeds in rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage). - After rain, Weed out the rice field, make gap filling and top dress of 4kg N/ac and 3 kg K/ac to boost the growth if Situation permits.
	Sugarcane	Vegetative to Tillering	- water logging due to heavy rainfall  - Red rot , wilt disease due to high soil moisture  	- Maintain proper drainage in the field. Avoid irrigation and any kind of chemical spray. After cessation of rains weeding and earthing up should be done in this time after that Top dressing of Urea @30 kg/acre for 30-60 days old sugarcane plant. - Wrapping and propping should be done. - 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



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				days.
	Maize	Vegetative to Tasseling to silking stage	• Water logging due to heavy rainfall  • Less dry matter/yield • Reduction in plant canopy height • Stem rot, Banded leaf blight, fall army worm infestation due to rain	• Maize crop is highly sensitive to waterlogged conditions during seedling stage. Hence, drain out excess water from the field as early as possible. 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 banded leaf blight, to control this spray Validamycin 3.0% SL or Hexaconazole5.0%EC 400ml/200ltr water for one acre. • Standing water promotes bacterial stalk rot.To prevent this disease applyCopper oxychloride 50% WP @ 3 g/litre of water.



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	Jute	Vegetative	Infestation of Stem rot, hairy caterpillar, grey weevils and yellow mites	- To control stem rot of jute, spray copper oxychloride @ 3-4 gram/liter of water. - Farmers should be alert about the initial infestation of hairy caterpillar, grey weevils and yellow mites after rain when the temperature raises with high humidity. Control:i) Spray Lambda Cyhalothrin 5EC@ 1ml/lit or Indoxacarb 14,5 SC@ 1.0 ml/litre in extreme cases of hairy caterpillar.Spray combination of (Chlorpyrifos 50 EC+Cypermethrin 5 EC) @ 1-1.5 ml/l or Chlorpyrifos 20 EC @2ml/litre to control grey weevils. To control yellow mite spray Fenpyroximate@25ml/15lit water with sticker and repeat the same in consequent next 14 days



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	Kharif Groundnut	Flowering to pegging/Harves ting	• Water logging may affect pod quality • Disease infestation like alternaria leaf spot and foot/collar rot and pest infestation like leaf minor due to cloudy and humid weather   	• Make proper arrangement of drainage of excess water. • Harvest the matured groundnut as soon as possible. • To control foot/collar rot and alternaria leaf spot farmers may Spray Metalyxyl+Mancozeb/ @2g/litre or Copper oxychloride@2.5g/litre of water. • To control leaf minor they may spray Deltamethrin 2.8% EC or lambda cyhalothrin 5.0%EC 1ml/ltr water.
	Cucurbits (Cucumber, Pumpkin, Watermelon, Pointed gourd, Ridgegourd)	Flowering to fruiting/ Harvesting	• Flower drop • Fruit rot • Water logging situation • Fungal disease infestation  	• Pick fruits as soon as earlier and send to market. • Provide bamboo or wooden stake to prevent lodging of plants. • Maintain proper drainage in the field. • Avoid irrigation and any kind of chemical and fertilizer spray from Today. • Foliar spray of 2% DAP +



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				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 phytophthora blight in cucurbits spray pyroclostrobin 5%+ metiram 55% WG 3-4 gram per liter water.
	Un seasonal Vegetables (Cauliflower, Cabbage)	Sowing to Harvesting	- Seed displacement - poor germination due to water logging - Seedling damage - Damping off disease infestation 	- Drain out excess water from the field. - Harvest matured curds as soon as possible. Seedling rot and damping off disease are likely to appear in vegetable nursery. Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre or Copper oxychloride@2.5g/litre of water to control it



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	Vegetables(Brinjal, Tomato, Cilli)	Vegetative to harvesting	• Lodging • Fruit damage/Flower drop • Bacterial wilt • Soil borne fungal diseases 	• Postpone sowing of the Vegetables. • Cover young seedlings with polythine cover. • Pick fruits as soon as earlier and send to market. • 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/Carboxin+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 g/litre of water. If necessary spray second and third round at 15 days interval.
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Vegetables(Okra)	Fruting to harvesting	- Water logging situation - Wet rot - Fusarium and phytopthera infection due to wet soil condition  - Cercospora leaf spot.	- Pick fruits as soon as earlier and send to market. - Open drain and channels in vegetable fields to facilitate drainage of excess water. - Spray Metalyxyl+Mancozeb/Carbo xin+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 (Banana, Papaya, Lemon)	Vegetative to Fruiting	- Fruit damage - Bacterial rot and sigaataka due to rain and humid weather in Banana n crown rot in Papaya Panama wilt and sigaataka due to rain and humid weather in Banana and crown rot in Papaya.  	- Provide support to young fruit plants like Papaya and Banana. - Open drain and channels in fruit fields to facilitate drainage of excess water. - Pick matured fruits as soon as earlier and send to market. - Store the harvested produce in well ventilated place temporarily before it can be marketed. - 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



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				carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalanyl@ 2.0 g/ litre of water. • 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		parasitic problem	• 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.



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