



GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
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Sp-Bulletin No.-05
Date- 28/10/2025

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

Subject: Severe Cyclonic Storm “Montha” [Pronunciation: Mon-Tha] over west central Bay of Bengal:

The Cyclonic Storm “Montha” [Pronunciation: Mon-Tha] over westcentral Bay of Bengal moved north-northwestwards with a speed of 15 kmph during past 6 hours, intensified into a severe cyclonic storm and lay centered at 0530 hrs IST of today, the 28th October 2025, over the same region, near latitude 14.7°N & longitude 83.1°E, about 160 km south-southeast of Machilipatnam (Andhra Pradesh), 240 km south-southeast of Kakinada (Andhra Pradesh), 320 km south-southwest of Visakhapatnam (Andhra Pradesh), 530 km south-southwest of Gopalpur (Odisha).

It is likely to continue to move north-northwestwards and cross Andhra Pradesh coast between Machilipatnam and Kalingapatnam around Kakinada during evening/night of today, the 28th October as a severe cyclonic storm with a maximum sustained wind speed of 90-100 kmph gusting to 110 kmph.

Details Forecast and warning as follows:

Rainfall Forecast for Cuttack District:

Day-1(Tuesday): Moderate with 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.

Day-2(Wednesday): Moderate with 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.

Day-3(Thursday): Light to moderate rainfall & thunderstorm with lightning is likely occur at many places of Cuttack district.

Day-4(Friday): Very light to light rainfall & thunderstorm with lightning is likely occur at many places of Cuttack district.

Day-5(Saturday): Very light to light rainfall & thunderstorm with lightning is likely occur at many places of Cuttack district.



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Impact based Agro-met advisories

District	Crop/vegetables /fruits	Stage	Likely Impact on crop/vegetables/fruits	Agromet-Advisory
Cuttack	Kharif Rice	Dough, Maturity	- Lodging due to water logging;  - viviparous germination of seeds 	- Harvest the crop and keep the harvested produce at safer place (If the crop is at 85% of maturity stage). - Drain out excess water in standing rice crop by making alleys (Pahi). - Field drying of harvested paddy should be strictly avoided. Rather the harvested unthreshed crop should be stacked and covered till clear weather.
	Kharif Rice	Reproductive stage	- Water logging situation may lead to different disease and pest infestation - Disease infestation may occur like Sheath blight, bacterial leaf blight, stem rot, blast. - Pest infestation may occur like Gall mildge, BPH, leaf folder, swarming caterpillar	- Drain out excess water in standing rice crop by making alleys (Pahi). - Maintain 5-10 cm water level during reproductive Stage. - 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



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				Foot rot spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather. • To control bacterial leaf blight spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. • If Brown Plant Hopper (BPH) infestation will observe in rice, go for alternate wetting and drying. Make a gap after 8 to 10 rows for entry of sunlight and air. 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. • 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 Chlorpyrifos 20% EC @ 2.5 ml/litre of water sky becomes clear.
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			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
Sugarcane	Grand growth	- 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. - 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 days.
Maize	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	- 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



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			rain	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 Hexaconazole 5.0% EC 400ml/200ltr water for one acre. - Standing water promotes bacterial stalk rot. To prevent this disease apply Copper oxychloride 50% WP @ 3 g/litre of water.
	Rabi crops (Pulses : Green gram, Black gram, Oilseed crop: Groundnut and Mustard)	Early Vegetative/ Cont. Sowing	- Seed displacement - poor germination due to water logging	- Postpone sowing of the rabi crops. - Avoid intercultural operations, spraying and fertilization and irrigation activities after Friday in rabi crops. - Maintain proper drainage in the field. - Keep the field in vapsa condition.



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Vegetables (Cauliflower, Broccoli, Cabbage, Red Cabbage)	Vegetative to Curd deveelopment/V egetative	• Discolouration and splitting ,rotting • Seedling damage   	• Harvest the vegetables if heads are ready to use. • Open drain and channels in vegetable fields to facilitate drainage of excess water. • Winter season vegetable seedlings should be covered with low cost poly tunnel.
Vegetables(Potato, Onion) , Coriander	Sowing/Seedling	• Seed displacement • poor germination due to water logging • Seedling damage  	• Arrange for drainage facility and avoid sowing during spells of heavy rainfall. • Keep the field in vapsa condition • Winter season vegetable seedlings should be covered with low cost poly tunnel.
Vegetables(Brinjal, Tomato, Cilli)	Vegetative to harvesting	• Lodging • Fruit damage/Flower drop • wilting 	• Pick matured fruits as soon as earlier and send to market . • Cover the vegetable nursery with white polythene. • Open drain and channels in vegetable fields to facilitate drainage of excess water. • Provide bamboo or wooden stake to prevent lodging of plants.



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	Vegetables (Carrot, raddish)	Sowing/Seedling	• Seed displacement • poor germination due to water logging • Seedling damage	• Open drain and channels in vegetable fields to facilitate drainage of excess water. • Postpone sowing.
	Vegetables (Cow pea, Ridgegourd)	Harvesting	• Lodging • Pod/Fruit damage	• Pick matured pods/fruits as soon as earlier and send to market. • Provide bamboo or wooden stake to prevent lodging of plants.
	Fruits (Banana, Papaya, Lemon)	Vegetative to Fruiting	• Lodging • Fruit damage 	• 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.



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	Livestocks			• Keep the livestock indoors during rainfall if possible keep them loose inside the shed. • Keep feed for 3-5 days, in case of any emergency. • Repair the sheds for loose structure and rainfall. • Keep fodder at safe place to avoid spoilage from rainfall.
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