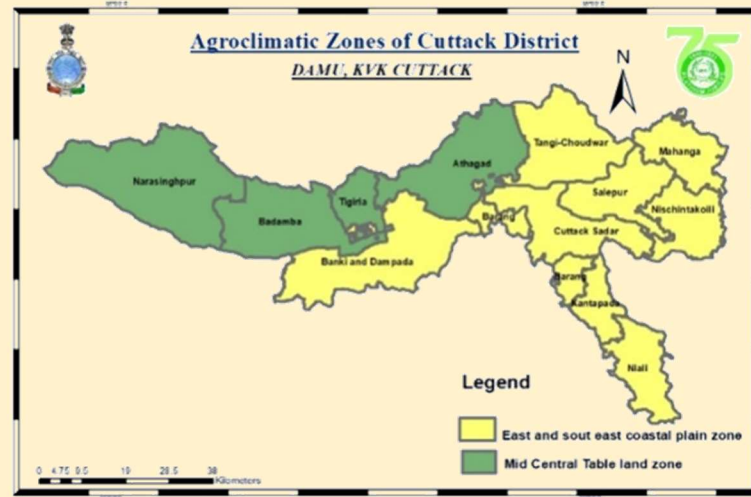




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday, 17th September, 2024
 (For the period 17th to 21st September,
 2024)*



*Issued by
 District Agro-met Unit,
 KrishiVigyan Kendra Cuttack*





STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)																																		
<div style="text-align: center;"> <p>MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p>STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 15 AUGUST TO 11 SEPTEMBER 2024</p> <p>SPI VALUES</p> <table border="1" style="font-size: small; margin: 0 auto;"> <tr><td>0.0 to 0.49 (Moderately Dry)</td><td>0.50 to 0.99 (Dry)</td></tr> <tr><td>1.0 to 1.49 (Very Dry)</td><td>1.50 to 1.99 (Extremely Dry)</td></tr> <tr><td>2.0 to 2.49 (Very Wet)</td><td>2.50 to 2.99 (Extremely Wet)</td></tr> <tr><td>3.0 to 3.49 (Very Wet)</td><td>3.50 to 3.99 (Extremely Wet)</td></tr> <tr><td>4.0 to 4.49 (Very Wet)</td><td>4.50 to 4.99 (Extremely Wet)</td></tr> <tr><td>5.0 to 5.49 (Very Wet)</td><td>5.50 to 5.99 (Extremely Wet)</td></tr> <tr><td>6.0 to 6.49 (Very Wet)</td><td>6.50 to 6.99 (Extremely Wet)</td></tr> <tr><td>7.0 to 7.49 (Very Wet)</td><td>7.50 to 7.99 (Extremely Wet)</td></tr> <tr><td>8.0 to 8.49 (Very Wet)</td><td>8.50 to 8.99 (Extremely Wet)</td></tr> <tr><td>9.0 to 9.49 (Very Wet)</td><td>9.50 to 9.99 (Extremely Wet)</td></tr> </table> </div>	0.0 to 0.49 (Moderately Dry)	0.50 to 0.99 (Dry)	1.0 to 1.49 (Very Dry)	1.50 to 1.99 (Extremely Dry)	2.0 to 2.49 (Very Wet)	2.50 to 2.99 (Extremely Wet)	3.0 to 3.49 (Very Wet)	3.50 to 3.99 (Extremely Wet)	4.0 to 4.49 (Very Wet)	4.50 to 4.99 (Extremely Wet)	5.0 to 5.49 (Very Wet)	5.50 to 5.99 (Extremely Wet)	6.0 to 6.49 (Very Wet)	6.50 to 6.99 (Extremely Wet)	7.0 to 7.49 (Very Wet)	7.50 to 7.99 (Extremely Wet)	8.0 to 8.49 (Very Wet)	8.50 to 8.99 (Extremely Wet)	9.0 to 9.49 (Very Wet)	9.50 to 9.99 (Extremely Wet)	<div style="text-align: center;"> <p>NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 35 (26.08.2024 to 01.09.2024) over Agricultural region</p> <p>Odisha</p> <table border="1" style="font-size: small; margin: 0 auto;"> <tr><td>-0.9999 - 0</td></tr> <tr><td>0 - 0.05</td></tr> <tr><td>0.05 - 0.1</td></tr> <tr><td>0.1 - 0.15</td></tr> <tr><td>0.15 - 0.2</td></tr> <tr><td>0.2 - 0.25</td></tr> <tr><td>0.25 - 0.3</td></tr> <tr><td>0.3 - 0.35</td></tr> <tr><td>0.35 - 0.4</td></tr> <tr><td>0.4 - 0.45</td></tr> <tr><td>0.45 - 0.5</td></tr> <tr><td>0.5 - 0.55</td></tr> <tr><td>0.55 - 0.6</td></tr> <tr><td>> 0.6</td></tr> </table> <p style="font-size: small;"> Bare soil, rocks clouds, rain, snow, etc. Moderate Good Very good </p> <p style="font-size: small;">Agriculture vigour is moderate at isolated places of the state. NDVI could not be captured over remaining places due dense cloud cover or rainfall.</p> </div>	-0.9999 - 0	0 - 0.05	0.05 - 0.1	0.1 - 0.15	0.15 - 0.2	0.2 - 0.25	0.25 - 0.3	0.3 - 0.35	0.35 - 0.4	0.4 - 0.45	0.45 - 0.5	0.5 - 0.55	0.55 - 0.6	> 0.6
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<p><i>As per SPI value (cumulative 4weeks - 15 August to 11 September 2024), mildly wet condition was there in Cuttack district.</i></p>	<p><i>According to NDVI map (26.08.2024 to 01.09.2024) the agriculture vigor was moderate over some isolated places of Narasinghpur, Badamba, Tigiria, Banki, Dampada, Athagad blocks and very light to light over all other blocks of Cuttack district.</i></p>																																		

LEGEND (Medium range block level rainfall forecast)		
	No Rainfall	00 mm
	Very light rainfall	01-05 mm
	Light rainfall	06-10 mm
	Light to moderate rainfall	11-30 mm
	Moderate to heavy rainfall	31-65 mm
	Heavy to very heavy rainfall	66-115 mm
	Extremely heavy rainfall	>116 mm

LEGEND (Past week temperature)		
Color code	Temperature	Departure
	Below Normal	< 2°C from normal
	Normal	-2°C to +2°C from normal
	Above Normal	>2°C from normal



DrRanjan Kumar Mohanta
 (Nodal officer)

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**GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK**












(A Unit of ICAR-National Rice Research Institute)

Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

Bulletin No.-530
Date- 17/09/2024

Weather (Past and Forecasted) based Disease and pest in Major Crops and vegetables

Sl No	Crop	Stage and condition of the crop	Anticipated Disease and pest
1	Rice	Tillering to panicle initiation	 <p>Sheath blight</p>
			 <p>Blast</p>
			 <p>Stem/Foot rot</p>
			 <p>Brown plant hopper</p>
			 <p>Stem borer</p>
			 <p>Gall midge</p>
2	Sugarcane	6-7 month old	 <p>Red rot</p>
			 <p>Rust</p>
3	Maize	Tasseling to silking stage	 <p>Fall army worm</p>



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				Banded leaf blight
				Downy mildew
4	Groundnut	Flowering to pegging/Harvesting		Collar rot
				Alternaria leaf spot
				Rust
4	Brinjal, tomoto, chilli	seedling		Seedling rot
				Stem rot
5	Tomato and brinjal	Fruting		Bacterial wilt
6	Pointed gourd			Fruit rot
7	Pumpkin(Cucurbits)	Flowering to fruting		Stem and root rot



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Bulletin No.-530

Date- 17/09/2024

District Past week average weather condition and Block past week average Rainfall condition

The block received average 11 mm and district received average 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today and Friday and very light to light rainfall is forecasted for other 3days in the block. The day temperature will be 33-37°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-92% and 49-59% respectively. There will be partly cloudy to overcastsky for next 5days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall (mm)	11	09	03	12	04
T-Max (°C)	34	33	34	37	33
T-Min (°C)	25	25	26	25	25
Cloud Cover (octa)	4	4	7	7	6
RH Max (%)	90	92	90	90	90
RH Min (%)	57	59	49	55	57
Wind Speed (kmph)	10	7	6	6	7
Wind Direction (deg)	155	150	150	144	180

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe 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.
- 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.
- Due to likely 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 the weather.
- **Maize:**
- **Provide drainage facility.** Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.

Rabi-Groundnut:

• If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of 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.

Brinjal, tomato and chilli seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-530

Date- 17/09/2024

AGROMET ADVISORY BULLETIN FOR BADAMBA

District Past week average weather condition and Block past week average Rainfall condition

The block received average 01 mm and district received average 09 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively.** The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weatheradvisory:: Moderate rainfall / thundershower is forecasted for today and Friday and very light to light rainfall is forecasted for other 3days in the block. The daytemperature will be 32-36°Cand night temperature will be 24-25°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 90-93% and 56-62% respectively. **There will be partly cloudy to overcastsky fornext 5 days.**

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	12	10	03	19	04
T-Max(°C)	33	32	33	36	32
T-Min(°C)	24	24	25	24	24
Cloud Cover(octa)	5	4	7	7	6
RH Max (%)	91	93	91	91	90
RH Min (%)	59	62	56	60	59
Wind Speed (Kmph)	8	5	4	5	6
Wind Direction (deg)	158	150	158	150	210

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythine cover to protect them from heavy/intense shower.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast disease** spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe 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.
- 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.
- Due to likely 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** spraythe basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Maize:

- **Provide drainage facility.** Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.

Rabi-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline@20g with Carboxin+Thiram @400g or Metalaxyl 8%+Mancozeb 64% WP @400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of 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.

Brinjal, tomato and chilli seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



DrRanjan Kumar Mohanta
(Nodal officer)

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 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

Bulletin No.-530
 Date- 17/09/2024

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition and Block past week average Rainfall condition

The district received average 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today and Friday and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 32-36°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-92% and 52-58% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	11	08	03	20	04
T-Max(°C)	33	32	34	36	32
T-Min(°C)	24	25	26	25	25
Cloud Cover(octa)	4	4	7	7	6
RH Max (%)	89	92	89	90	90
RH Min (%)	55	58	52	56	58
Wind Speed (Kmph)	10	7	5	6	6
Wind Direction (deg)	155	150	135	154	203

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythine cover to protect them from heavy/intense shower.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast disease** spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
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Rabi-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
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AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week average weather condition and Block past week average Rainfall condition

The block received average 06 mm and district received average 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weather Advisory:: Moderate rainfall / thundershower is forecasted for today and Friday and very light to light rainfall is forecasted for other 3days in the block. The day temperature will be 32-36°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-92% and 52-58% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	11	08	03	20	04
T-Max(°C)	33	33	34	36	32
T-Min(°C)	24	25	26	25	25
Cloud Cover(octa)	4	4	7	7	6
RH Max (%)	89	92	89	90	90
RH Min (%)	54	58	52	55	58
Wind Speed (Kmph)	10	7	5	6	6
Wind Direction (deg)	155	150	135	154	203

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythine cover to protect them from heavy/intense shower.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe 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.
- 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.
- Due to likely 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 the weather.
- **Maize:**
- **Provide drainage facility.** Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g / ac.

Rabi-Groundnut:

• If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of 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.

Brinjal, tomato and chilli seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



Dr Ranjan Kumar Mohanta
(Nodal officer)

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GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK



(A Unit of ICAR-National Rice Research Institute)
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

Bulletin No.-530
 Date- 17/09/2024

AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week average weather condition and Block past week average Rainfall condition

The block received average 09 mm and district received average 09 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively.** The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weather advisory: *Moderate rainfall / thundershower is forecasted for today and Friday and very light to light rainfall is forecasted for other 3days in the block.* The day temperature will be 32-37°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-90% and 47-57% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	11	07	03	15	04
T-Max(°C)	33	33	35	37	32
T-Min(°C)	25	25	26	26	25
Cloud Cover	4	5	7	6	6
RH Max (%)	89	90	89	87	90
RH Min (%)	54	57	47	50	56
Wind Speed (Kmph)	11	8	7	7	7
Wind Direction (deg)	144	135	155	79	236

Agromet Advisory

General advisory: *Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.*

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe 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.
- 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.
- Due to likely 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 the weather.

Maize:

- **Provide drainage facility.** Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.

Rabi-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of 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.

Brinjal, tomato and chilliseedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



DrRanjan Kumar Mohanta
 (Nodal officer)

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Bulletin No.-530
Date- 17/09/2024

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

District Past week average weather condition and Block past week average Rainfall condition

The block received average 06 mm and district received average 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today and Friday and very light to light rainfall is forecasted for other 3days in the block. The day temperature will be 33-37°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-90% and 45-57% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	12	08	03	15	04
T-Max(°C)	34	33	35	37	33
T-Min(°C)	25	25	26	25	25
Cloud Cover(octa)	4	5	7	7	6
RH Max (%)	90	90	88	88	90
RH Min (%)	56	57	45	50	55
Wind Speed (Kmph)	11	8	7	7	7
Wind Direction (deg)	144	135	155	79	165

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe 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.
- 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.
- Due to likely 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 the weather.
- **Sugarcane:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chloropyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For **Red rot**, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

Rabi-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of 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. Brinjal, tomato and chill seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits: In Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-530
Date- 17/09/2024

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week average weather condition and Block past week average Rainfall condition

The block received average 23 mm and district received average 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for Friday and very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 32-36°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-90% and 50-57% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	09	06	02	12	03
T-Max(°C)	33	34	34	36	32
T-Min(°C)	26	26	27	26	25
Cloud Cover(octa)	3	4	7	6	6
RH Max (%)	88	89	86	86	90
RH Min (%)	54	57	50	50	56
Wind Speed (Kmph)	11	9	7	8	7
Wind Direction (deg)	144	113	153	90	180

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythine cover to protect them from heavy/intense shower.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast disease** spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe 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.
- 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.
- Due to likely 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 the weather.
- **Sugarcane:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For **Red rot**, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

Rabi-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of 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. Brinjal, tomato and chill seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits: In Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-530

Date- 17/09/2024

AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week average weather condition and Block past week average Rainfall condition

The block received average 12 mm and district received average 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for Friday and very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be and it will be 33-36°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-93% and 45-60% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	09	06	02	12	03
T-Max(°C)	33	33	35	36	33
T-Min(°C)	25	25	26	26	25
Cloud Cover(octal)	3	5	7	7	6
RH Max (%)	93	89	84	86	89
RH Min (%)	60	58	45	49	54
Wind Speed (Kmph)	12	8	7	8	8
Wind Direction (deg)	135	146	150	135	243

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythine cover to protect them from heavy/intense shower.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast disease** spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe 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.
- 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.
- Due to likely 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 the weather.
- **Sugarcane:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For **Red rot**, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

Rabi-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of 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. Brinjal, tomato and chill seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits: In Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



DrRanjan Kumar Mohanta
(Nodal officer)

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GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK



(A Unit of ICAR-National Rice Research Institute)

Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

Bulletin No.-530
Date- 17/09/2024

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

District Past week average weather condition and Block past week average Rainfall condition

The block received average 02 mm and district received average 09 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively.** The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weatheradvisory:: Moderate rainfall / thundershower is forecasted for today and Friday and very light to light rainfall is forecasted for other 3days in the block. The day temperature will be 32-36°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-94% and 58-66% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	12	10	03	20	04
T-Max(°C)	32	33	33	36	32
T-Min(°C)	23	24	24	23	23
Cloud Cover(/octa)	5	4	7	7	5
RH Max (%)	94	94	92	93	91
RH Min (%)	66	63	61	59	58
Wind Speed (Kmph)	5	3	3	4	5
Wind Direction (deg)	165	158	338	150	203

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythine cover to protect them from heavy/intense shower.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast disease** spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe 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.
- 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.
- Due to likely 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 the weather.

Maize:

- **Provide drainage facility.** Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g/ac.

Rabi-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of 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.

Brinjal, tomato and chilli seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



Dr Ranjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-530

Date- 17/09/2024

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week average weather condition and Block past week average Rainfall condition

The block received average 07 mm and district received average 09 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively.** The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for Friday and very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 32-35°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-89% and 51-58% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	08	06	02	12	03
T-Max(°C)	32	34	34	35	32
T-Min(°C)	26	26	27	26	26
Cloud Cover(octa)	3	4	7	7	6
RH Max (%)	87	89	84	85	89
RH Min (%)	55	58	54	51	57
Wind Speed(Kmph)	11	9	7	8	8
Wind Direction(deg)	135	108	153	90	180

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythine cover to protect them from heavy/intense shower.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe 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.
- 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.
- Due to likely 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 the weather.
- **Sugarcane:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chlorpyrifos or Quinalophos @ 400 ml/ac in 200 lts of water after cessation of rain. For **Red rot**, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

Rabi-Groundnut:

• If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of 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. Brinjal, tomato and chill seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits: In Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-530
Date- 17/09/2024

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week average weather condition and Block past week average Rainfall condition

The block received average 13 mm and district received average 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for Friday and very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 33-36°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-92% and 46-59% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	10	06	02	11	03
T-Max(°C)	33	33	35	36	33
T-Min(°C)	25	25	26	26	25
Cloud Cover(octa)	3	4	7	7	6
RH Max (%)	92	88	83	86	89
RH Min (%)	59	58	46	49	54
Wind Speed (Kmph)	12	8	7	8	8
Wind Direction (deg)	135	146	153	135	243

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythine cover to protect them from heavy/intense shower.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe 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.
- 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.
- Due to likely 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 the weather.
- **Sugarcane:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For **Red rot**, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

Rabi-Groundnut:

• If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of 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. Brinjal, tomato and chill seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits: In Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



DrRanjan Kumar Mohanta
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Bulletin No.-530
 Date- 17/09/2024

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week average weather condition and Block past week average Rainfall condition

The block received average 16 mm and district received average 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for Friday and very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 33-37°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-92% and 45-60% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	10	06	02	11	03
T-Max(°C)	33	33	35	37	33
T-Min(°C)	25	25	26	26	25
Cloud Cover(octa)	3	5	7	6	6
RH Max (%)	92	89	84	86	89
RH Min (%)	60	58	45	49	54
Wind Speed (Kmph)	12	8	7	8	8
Wind Direction (deg)	135	146	158	135	158

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythine cover to protect them from heavy/intense shower.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe 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.
- 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.
- Due to likely 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 the weather.
- **Sugarcane:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For **Red rot**, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

Rabi-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonyl @ 400 g/acre. Due to forecast of 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. Brinjal, tomato and chill seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits: In Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



DrRanjan Kumar Mohanta
 (Nodal officer)

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Bulletin No.-530

Date- 17/09/2024

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

District Past week average weather condition and Block past week average Rainfall condition

The block received average 09 mm and district received average 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today and Friday and very light to light rainfall is forecasted for other 3days in the block. The day temperature will be 33°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-88% and 58-66% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	11	09	03	18	04
T-Max(°C)	33	33	33	33	33
T-Min(°C)	28	27	28	27	27
Cloud Cover(octa)	2	4	7	7	5
RH Max (%)	88	86	80	84	87
RH Min (%)	62	66	58	59	61
Wind Speed (Kmph)	14	9	8	8	9
Wind Direction (deg)	153	120	115	150	158

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythine cover to protect them from heavy/intense shower.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe 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.
- 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.
- Due to likely 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 the weather.

Maize:

- **Provide drainage facility.** Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.

Rabi-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of 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.

Brinjal, tomato and chilli seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



**Dr Ranjan Kumar Mohanta
(Nodal officer)**

Follow Meghdoot Mobile APP for Agromet advisories in local language and DAMINI APP for Lightening alert in your area





GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK



(A Unit of ICAR-National Rice Research Institute)
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

Bulletin No.-530
 Date- 17/09/2024

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week average weather condition and Block past week average Rainfall condition

The block received average 05 mm and district received average 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.34°C (-0.2 from normal) and 24.9°C (+0.88 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 22nd September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today and Friday and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 33-36°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-93% and 52-61% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/09/2024	18/09/2024	19/09/2024	20/09/2024	21/09/2024
Rainfall(mm)	11	10	03	18	04
T-Max(°C)	33	33	34	36	33
T-Min(°C)	24	25	26	25	25
Cloud Cover(octa)	5	4	7	7	6
RH Max (%)	91	93	90	91	91
RH Min (%)	59	61	52	57	58
Wind Speed (Kmph)	9	7	5	6	6
Wind Direction (deg)	155	150	150	144	180

Agro met Advisory

General advisory: Drain out excess rain water from crop fields. They should slightly pause all type of farm operational activities on today and Friday based on rainfall forecast. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythine cover to protect them from heavy/intense shower.

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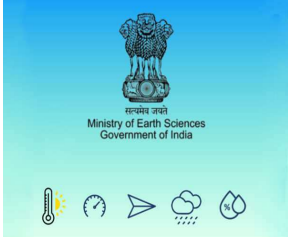
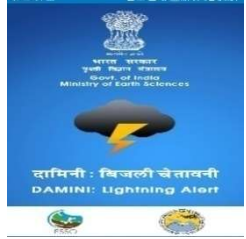


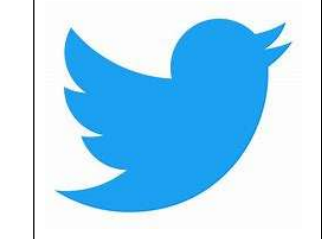






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Bulletin No.-530
Date- 17/09/2024

				
MEGHDOOT APP	DAMINI APP	FACEBOOK (Damu Cuttack)	BLOCK SPECIFIC WHAT'S APP GROUPS	@DAMUCUTTACK

- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.
<https://play.google.com/store/apps/details?id=com.aas.meghdoot>
- Kindly install and use **“Damini mobile App”** for location specific for lightening forecast and warnings.
<https://play.google.com/store/apps/details?id=com.lightening.live.damini>
- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

1	ICAR-NRRI, Cuttack, Odisha	https://icar-nrri.in/agromate/	
2	Agrimet division, IMD, Pune	https://imdagrismet.gov.in/imdproject/AGIndex.php	



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