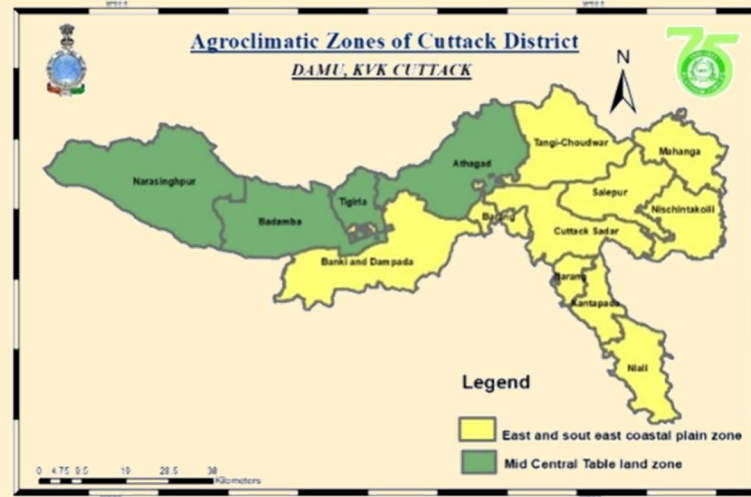




# *Cuttack District Block Wise Agro-met Advisory Service Bulletin*

*Tuesday, 10<sup>th</sup> September, 2024  
 (For the period 10<sup>th</sup> to 14<sup>th</sup> September,  
 2024)*



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



**DrRanjan Kumar Mohanta**  
 (Nodal officer)

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 APP for Lightening alert in your area**





**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 08 AUGUST TO 04 SEPTEMBER 2024</p> <p style="font-size: small;">SPI VALUES</p> <ul style="list-style-type: none"> <li>0.0 to 0.5 (Moderately Dry) 0% 0.00 to 0.50</li> <li>0.5 to 1.0 (Moderately Dry) 0% 0.00 to 0.50</li> <li>1.0 to 1.5 (Moderately Dry) 0% 0.00 to 0.50</li> <li>1.5 to 2.0 (Moderately Dry) 0% 0.00 to 0.50</li> <li>2.0 to 2.5 (Moderately Dry) 0% 0.00 to 0.50</li> <li>2.5 to 3.0 (Moderately Dry) 0% 0.00 to 0.50</li> <li>3.0 to 3.5 (Moderately Dry) 0% 0.00 to 0.50</li> <li>3.5 to 4.0 (Moderately Dry) 0% 0.00 to 0.50</li> <li>4.0 to 4.5 (Moderately Dry) 0% 0.00 to 0.50</li> <li>4.5 to 5.0 (Moderately Dry) 0% 0.00 to 0.50</li> <li>5.0 to 5.5 (Moderately Dry) 0% 0.00 to 0.50</li> <li>5.5 to 6.0 (Moderately Dry) 0% 0.00 to 0.50</li> <li>6.0 to 6.5 (Moderately Dry) 0% 0.00 to 0.50</li> <li>6.5 to 7.0 (Moderately Dry) 0% 0.00 to 0.50</li> <li>7.0 to 7.5 (Moderately Dry) 0% 0.00 to 0.50</li> <li>7.5 to 8.0 (Moderately Dry) 0% 0.00 to 0.50</li> <li>8.0 to 8.5 (Moderately Dry) 0% 0.00 to 0.50</li> <li>8.5 to 9.0 (Moderately Dry) 0% 0.00 to 0.50</li> <li>9.0 to 9.5 (Moderately Dry) 0% 0.00 to 0.50</li> <li>9.5 to 10.0 (Moderately Dry) 0% 0.00 to 0.50</li> </ul> </div>	<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><b>Odisha</b></p> <div style="display: flex; justify-content: center; align-items: center;"> <ul style="list-style-type: none"> <li>-0.9999 - 0</li> <li>0 - 0.05</li> <li>0.05 - 0.1</li> <li>0.1 - 0.15</li> <li>0.15 - 0.2</li> <li>0.2 - 0.25</li> <li>0.25 - 0.3</li> <li>0.3 - 0.35</li> <li>0.35 - 0.4</li> <li>0.4 - 0.45</li> <li>0.45 - 0.5</li> <li>0.5 - 0.55</li> <li>0.55 - 0.6</li> <li>&gt; 0.6</li> </ul> <div style="font-size: x-small;"> <p>Bare soil, rocks clouds, rain, snow, etc.</p> <p>Moderate</p> <p>Good</p> <p>Very good</p> </div> </div> <p style="font-size: x-small; margin-top: 10px;">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>
<p><i>As per SPI value (cumulative 4weeks - 08 August to 04 September 2024), mildly dry 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)

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Bulletin No.-528  
Date- 10/09/2024

**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		Sheath blight
				Blast
				Stem/Foot rot
				Brown plant hopper
				Stem borer
				Gall midge
2	Sugarcane	5-6 month old		Red rot
				Rust
3	Maize	Tasseling to silking stage		Fall army worm



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				<b>Banded leaf blight</b>
				<b>Downy mildew</b>
4	Brinjal, tomoto, chilli	seedling		<b>Seedling rot</b>
				<b>Stem rot</b>
5	Tomato and brinjal	Fruting		<b>Bacterial wilt</b>
6	Pointed gourd			<b>Fruit rot</b>
7	Pumpkin(Cucurbits)	Flowering to fruting		<b>Stem and root rot</b>
8	Banana			<b>Sigatoka</b>
				<b>Panama wilt</b>



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Bulletin No.-528  
Date- 10/09/2024

**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

The block received average 05 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weather advisory:** Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3days in the block. The day temperature will be 32-34°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-91% and 56-59% respectively. There will be partly cloudy to overcastsky for next 5days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall (mm)	02	05	12	14	03
T-Max (°C)	34	33	33	32	33
T-Min (°C)	26	25	25	25	24
Cloud Cover (octa)	8	8	8	8	8
RH Max (%)	91	89	88	87	87
RH Min (%)	58	59	58	59	56
Wind Speed (kmph)	12	8	9	9	9
Wind Direction (deg)	205	225	270	248	251

**Agromet Advisory**

**General advisory:** Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape 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.
- 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 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.
- **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.

**Fruits:**

Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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.



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(Nodal officer)

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

Bulletin No.-528  
Date- 10/09/2024

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 13 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weather advisory: Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3 days in the block.** The day temperature will be 32-33°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-92% and 56-62% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	03	05	11	15	02
T-Max(°C)	33	32	33	32	33
T-Min(°C)	25	25	24	24	23
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	92	90	88	87	87
RH Min (%)	62	61	57	58	56
Wind Speed (Kmph)	11	7	8	8	9
Wind Direction (deg)	208	236	251	248	248

Agromet Advisory

**General advisory: Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape 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.
- 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 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.
- **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.

**Fruits:**

Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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.



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Bulletin No.-528  
Date- 10/09/2024

**AGROMET ADVISORY BULLETIN FOR BANKI**

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

The district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weatheradvisory:: Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3days in the block.** The day temperature will be 32-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-91% and 55-58% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	02	04	11	13	02
T-Max(°C)	34	33	33	32	33
T-Min(°C)	25	25	25	24	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	91	89	87	86	85
RH Min (%)	58	58	57	56	55
Wind Speed (Kmph)	13	8	9	10	9
Wind Direction (deg)	208	236	248	270	244

**Agromet Advisory**

**General advisory:** **Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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, Carbenazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape 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.
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- 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 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.
- **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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- **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.

**Fruits:** Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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.



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Bulletin No.-528  
Date- 10/09/2024

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA**

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

The block received average 12 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weather Advisory:** Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3 days in the block. The day temperature will be 32-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-91% and 55-58% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	02	04	11	13	02
T-Max(°C)	34	33	33	32	33
T-Min(°C)	25	25	25	24	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	91	89	87	86	85
RH Min (%)	58	58	57	56	55
Wind Speed (Kmph)	13	8	9	10	9
Wind Direction (deg)	208	236	248	270	244

**Agromet Advisory**

**General advisory:** Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape 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.
- 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 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.
- **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.

**Fruits:**

Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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.-528  
Date- 10/09/2024

**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 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weather advisory:** Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3 days in the block. The day temperature will be 32-35°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-86% and 53-58% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	02	04	12	14	03
T-Max(°C)	35	33	32	32	33
T-Min(°C)	26	26	26	25	24
Cloud Cover	8	8	8	8	8
RH Max (%)	86	86	85	84	84
RH Min (%)	54	56	58	55	53
Wind Speed (Kmph)	14	10	11	12	11
Wind Direction (deg)	203	225	248	270	248

**Agromet Advisory**

**General advisory:** Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape 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.
- 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 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.
- **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.

**Fruits:** Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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.-528  
Date- 10/09/2024

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received average 12 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weather advisory: Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3 days in the block.** The day temperature will be 32-35°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-87% and 54-59% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	02	05	12	14	03
T-Max(°C)	35	33	32	32	33
T-Min(°C)	26	26	26	25	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	87	87	86	85	85
RH Min (%)	55	56	59	57	54
Wind Speed (Kmph)	14	10	10	11	10
Wind Direction (deg)	203	225	248	270	249

**Agromet Advisory**

**General advisory: Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape after 8 to 10 rows for entry of sunlight and air. When 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 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.

**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.

**Fruits:** Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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**  
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Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

Bulletin No.-528  
Date- 10/09/2024

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received average 07 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weather advisory: Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3 days in the block.** The day temperature will be 32-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-85% and 52-58% 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)				
	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	02	05	13	15	03
T-Max(°C)	35	33	32	33	33
T-Min(°C)	26	26	26	25	25
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	85	84	84	81	82
RH Min (%)	54	56	58	52	52
Wind Speed (Kmph)	15	11	12	13	12
Wind Direction (deg)	205	236	248	248	248

**Agromet Advisory**

**General advisory: Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape 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.
- 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 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.

**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.

**Fruits:**

Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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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Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

Bulletin No.-528  
Date- 10/09/2024

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received average 20 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weather advisory: Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3 days in the block.** The day temperature will be and it will be 32-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-86% and 54-60% 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)				
	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	02	05	13	15	03
T-Max(°C)	35	33	32	32	33
T-Min(°C)	26	26	26	25	25
Cloud Cover(octal)	8	8	8	8	8
RH Max (%)	86	86	86	83	85
RH Min (%)	55	57	60	58	54
Wind Speed (Kmph)	14	11	12	13	12
Wind Direction (deg)	205	225	244	251	249

**Agromet Advisory**

**General advisory: Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape 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.
- 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 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.

**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.

**Fruits:**

Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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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**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.-528  
Date- 10/09/2024

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received average 05 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weather advisory: Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3 days in the block.** The day temperature will be 31-33°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-93% and 53-63% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	03	05	11	13	02
T-Max(°C)	33	32	32	31	33
T-Min(°C)	24	24	23	23	22
Cloud Cover(/octa)	8	8	8	8	8
RH Max (%)	93	91	89	88	88
RH Min (%)	63	63	57	57	53
Wind Speed (Kmph)	8	5	7	7	9
Wind Direction (deg)	214	225	257	252	248

**Agromet Advisory**

**General advisory:** Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape 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.
- 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 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.
- **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.

**Fruits:**

Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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.



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

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**KRISHI VIGYAN KENDRA CUTTACK**



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

Bulletin No.-528  
Date- 10/09/2024

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received average 12 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weather advisory: Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3 days in the block.** The day temperature will be 32-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-85% and 51-58% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	02	04	11	13	03
T-Max(°C)	34	33	32	33	33
T-Min(°C)	26	26	26	26	25
Cloud Cover(octa)	7	8	8	8	7
RH Max (%)	85	83	83	79	81
RH Min (%)	56	56	58	51	52
Wind Speed(Kmph)	16	13	13	14	13
Wind Direction(deg)	205	236	248	244	248

**Agromet Advisory**

**General advisory: Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape 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.
- 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 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.

**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.

**Fruits:**

Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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**  
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Bulletin No.-528  
Date- 10/09/2024

**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

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

The block received average 18 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weather advisory: Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3 days in the block.** The day temperature will be 32-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-85% and 54-60% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	02	05	13	15	03
T-Max(°C)	35	33	32	32	33
T-Min(°C)	26	26	26	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	85	85	85	82	84
RH Min (%)	54	57	60	56	54
Wind Speed (Kmph)	15	11	12	13	12
Wind Direction (deg)	205	225	244	259	248

**Agromet Advisory**

**General advisory: Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape 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.
- 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 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.

**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.

**Fruits:**

Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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.



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Bulletin No.-528  
Date- 10/09/2024

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 20 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weather advisory: Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3 days in the block.** The day temperature will be 32-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-86% and 54-60% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	02	05	13	15	03
T-Max(°C)	35	33	32	32	33
T-Min(°C)	26	26	26	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	85	86	86	83	84
RH Min (%)	54	56	60	57	54
Wind Speed (Kmph)	15	11	12	13	12
Wind Direction (deg)	205	225	244	259	248

**Agromet Advisory**

**General advisory: Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape 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.
- 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 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.

**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.

**Fruits:**

Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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.-528  
Date- 10/09/2024

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received average 15 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weather advisory: Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3days in the block.** The day temperature will be 33-34°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-85% and 56-64% 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)				
Date	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	02	04	12	14	03
T-Max(°C)	34	33	33	34	34
T-Min(°C)	29	28	28	27	27
Cloud Cover(octa)	7	8	8	8	7
RH Max (%)	85	83	81	80	81
RH Min (%)	63	62	64	56	56
Wind Speed (Kmph)	19	15	15	16	15
Wind Direction (deg)	205	210	248	243	244

**Agromet Advisory**

**General advisory:** Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape 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.
- 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 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.
- **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.

**Fruits:** Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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.



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

Bulletin No.-528

Date- 10/09/2024

**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 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (+0.66 from normal) and 25.34°C (+1.3 from normal), respectively. The mean relative humidity was 83-87%.

**Forecasted period: Today(8.30IST) to 15<sup>th</sup> September (8.30IST)2024**

**Weatheradvisory: Moderate rainfall / thundershower is forecasted for Thursday and Friday and very light rainfall is forecasted for other 3days in the block.** The day temperature will be 32-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-92% and 57-62% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/09/2024	11/09/2024	12/09/2024	13/09/2024	14/09/2024
Rainfall(mm)	03	04	11	13	03
T-Max(°C)	34	33	33	32	33
T-Min(°C)	25	25	25	24	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	92	90	89	88	87
RH Min (%)	62	61	58	60	57
Wind Speed (Kmph)	12	7	8	8	9
Wind Direction (deg)	203	236	259	248	251

**Agro met Advisory**

**General advisory: Keep the drainage channels open to drain out excess rain water from crop fields as there was moderate with isolated heavy rainfall recorded in past week. They should resume all type of farm operational activities except Thursday and Friday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

**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, Cartap hydrochloride 4G @ 10kg/acre 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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- **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.
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**Fruits:** Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. 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.



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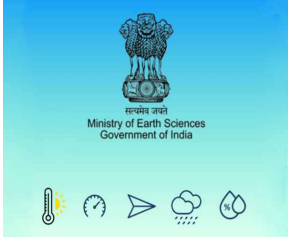
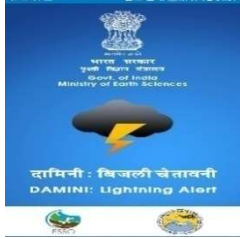


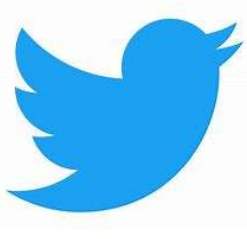






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Bulletin No.-528  
Date- 10/09/2024

				
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- 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	<a href="https://icar-nrri.in/agromate/">https://icar-nrri.in/agromate/</a>	
2	Agrimet division, IMD, Pune	<a href="https://imdagrmet.gov.in/imdproject/AGIndex.php">https://imdagrmet.gov.in/imdproject/AGIndex.php</a>	



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