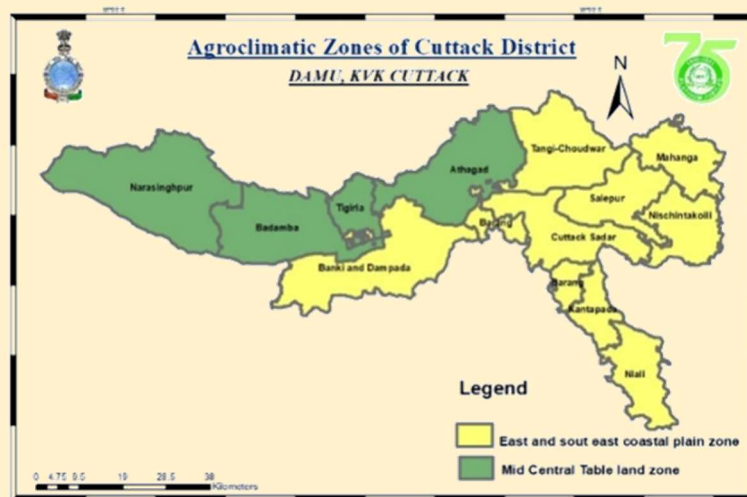




# *Cuttack District Block Wise Agro-met Advisory Service Bulletin*

*Tuesday, 03<sup>rd</sup> October, 2023  
(For the period 03<sup>rd</sup> October to 07<sup>th</sup>  
October, 2023)*



*Issued by  
District Agro-met Unit,  
Krishi Vigyan Kendra Cuttack*



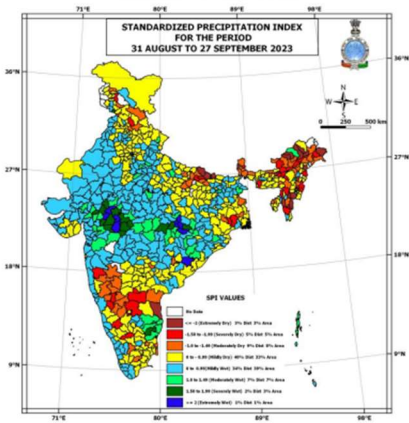
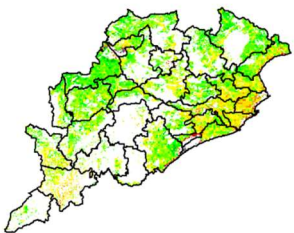


**GRAMIN KRISHI MAUSAM SEWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
 (A Unit of ICAR-National Rice Research Institute)  
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



**Bulletin No.-441**  
**Date- 03/10/2023**

**STANDARD PRECIPITATION INDEX AND NDVI MAP**

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p align="center"><b>Standardised Precipitation Index</b> for the period 31<sup>st</sup> August to 27<sup>th</sup> September 2023</p> 	<p align="center"><b>NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 36</b> (17.09.2023 to 23.09.2023) over Agricultural region</p> <p align="center"><b>Odisha</b></p>  <p align="center">Agriculture vigour is moderate over the state.</p>
<p><b>As per SPI value (cumulative 4weeks - 31August to 27 September 2023), Mildly wet condition was there in Cuttack district.</b></p>	<p><b>According to NDVI map (17.09.2023 to 23.09.2023) the agriculture vigor was light to moderate over isolated places of all blocks.</b></p>

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

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

**DrRanjan Kumar Mohanta**  
 (Nodal officer)



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**Debasish Jena**  
**SMS (Agrometeorology)**  
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**Bulletin No.-441**  
**Date- 03/10/2023**

**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	Panicle initiation to Flowering		Sheath blight
				Stem/Foot rot
				Brown plant hopper
				Stem borer
				Gall mildge
2	Sugarcane	7-8 month old		Mealy bug
				Scales
				White fly
				Top rot

**DrRanjan Kumar Mohanta**  
**(Nodal officer)**



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**APP for Lightening alert in your area**















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3	Maize	Cob initiation		Aphid/thrips
				Stem borer
				Tobacco caterpillar
4	Kharif groundnut	Flowering to pegging/Harvesting		
				
				
5	Vegetables			Aphid
				Leaf hopper
				White fly
	Brinjal	Transplanting		Wilt
	Okra	Fruting		Fruit and shoot borer
	Unseasonal Cauliflower	Seedling		Damping off

**DrRanjan Kumar Mohanta**  
**(Nodal officer)**



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Bulletin No.-441

Date- 03/10/2023

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

The block received average 13mm& district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was **33°C (-0.69°C from normal)** and **25°C (+1.46°C from normal)**, respectively. Mean relative humidity of the district was around 82-90%.

**Forecasted period: Today(8.30IST) to 08<sup>th</sup> October (8.30IST)2023**

**Weather advisory: Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3days in the block.** The day temperature will be **30-33°C** and night temperature will be **23-25°C** for upcoming 5 days. Maximum and minimum relative humidity will be 78-94% and 55-72% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Athagad(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall (mm)	31	20	07	05	02
T-Max (°C)	31	32	30	33	33
T-Min (°C)	24	23	25	24	24
Cloud Cover (octa)	8	8	8	8	7
RH Max (%)	94	84	91	88	78
RH Min (%)	72	68	67	62	55
Wind Speed (kmph)	11	10	8	10	8
Wind Direction (deg)	207	238	283	315	296

**Agromet Advisory**

**General advisory:**

**Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.**

**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**

- Pastcloudy 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:**

Maize is at cob initiation stage. **Maintain proper drainage channel in the field.** There may be **Aphids and Thrips** infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control **stem borer** apply fipronil 5SC 400ml/acre in 200 litre water. There may be chances of **tobacco caterpillar** in maize in between temperature 15-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 litre water.

**Kharif-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/litre water.

**VEGETABLES:**

- **Maintain proper drainage in vegetable field to avoid water logging.**
- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- For sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control **fruit and shoot borer** in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid **damping off** in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

**DrRanjan Kumar Mohanta**  
(Nodal officer)



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**Debasish Jena**

**SMS (Agrometeorology)**

**Contact No-9861445080/7008453427**





# GRAMIN KRISHIMAUSAM 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.-441

Date- 03/10/2023

## AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 07mm & district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (-0.69°C from normal) and 25°C (+1.46°C from normal), respectively. Mean relative humidity of the district was around 82-90%.

### Forecasted period: Today (8.30 IST) to 08<sup>th</sup> October (8.30 IST) 2023

**Weather advisory:** Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 30-33°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-96% and 53-71% 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)				
Date	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall (mm)	35	16	06	05	02
T-Max (°C)	31	32	30	33	33
T-Min (°C)	24	23	24	23	23
Cloud Cover (octa)	8	8	8	7	7
RH Max (%)	96	78	91	85	79
RH Min (%)	71	65	65	61	53
Wind Speed (Kmph)	9	10	8	10	7
Wind Direction (deg)	207	246	283	297	304

### Agromet Advisory

#### General advisory:

Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.

#### 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

- Past 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:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 liter water. There may be chances of tobacco caterpillar in maize in between temperature 15-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

#### Kharif-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:

- Maintain proper drainage in vegetable field to avoid water logging.
  - Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.
  - Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
  - For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
  - To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
  - After rainfall there may be chances of wilting in Brinjal and damping off in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta  
(Nodal officer)



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**Bulletin No.-441**  
**Date- 03/10/2023**

**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week average weather condition**

The district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was **33°C (-0.69°C from normal)** and **25°C (+1.46°C from normal)**, respectively. Mean relative humidity of the district was around 82-90%.

**Forecasted period: Today(8.30IST) to 08<sup>th</sup> October (8.30IST)2023**

**Weather advisory:** *Moderate rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.* The day temperature will be **30-33°C** and night temperature will be **23-24°C** for upcoming 5 days. Maximum and minimum relative humidity will be 78-94% and 53-67% 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)				
Date	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall(mm)	25	15	06	05	02
T-Max(°C)	31	31	30	33	33
T-Min(°C)	24	23	24	23	23
Cloud Cover(octa)	8	8	8	7	7
RH Max (%)	94	80	90	86	78
RH Min (%)	69	67	64	60	53
Wind Speed (Kmph)	11	10	9	10	8
Wind Direction (deg)	207	243	283	302	315

**Agromet Advisory**

**General advisory:**

*Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.*

**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**

- **Past 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:**

Maize is at cob initiation stage. **Maintain proper drainage channel in the field.** There may be **Aphids and Thrips** infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control **stem borer** apply fipronil 5SC 400ml/acre in 200 litre water. There may be chances of **tobacco caterpillar** in maize in between temperature 15-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

**Kharif-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:**

- **Maintain proper drainage in vegetable field to avoid water logging.**
- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
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**DrRanjan Kumar Mohanta**  
(Nodal officer)



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(A Unit of ICAR-National Rice Research Institute)

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



Bulletin No.-441

Date- 03/10/2023

## AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 13mm& district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (-0.69°C from normal) and 25°C (+1.46°C from normal), respectively. Mean relative humidity of the district was around 82-90%.

**Forecasted period: Today(8.30IST) to 08<sup>th</sup> October (8.30IST)2023**

**Weather Advisory: Moderate rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.** The day temperature will be 30-33°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-94% and 53-70% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall(mm)	28	14	07	05	02
T-Max(°C)	31	31	30	33	33
T-Min(°C)	24	23	25	24	23
Cloud Cover(octa)	8	8	8	7	7
RH Max (%)	94	81	90	86	78
RH Min (%)	70	68	64	61	53
Wind Speed (Kmph)	11	10	9	10	8
Wind Direction (deg)	207	243	283	302	315

### Agromet Advisory

#### General advisory:

Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.

#### 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

- Past 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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- 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:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre. To control stem borer apply fipronil 5 SC 400ml/acre in 200 liter water. There may be chances of tobacco caterpillar in maize in between temperature 15-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

#### Kharif-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:

- Maintain proper drainage in vegetable field to avoid water logging.
  - Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.
  - Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
  - For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
  - To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
  - After rainfall there may be chances of wilting in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

DrRanjan Kumar Mohanta  
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

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**GRAMIN KRISHIMAUSAM 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.-441**  
**Date- 03/10/2023**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received average 12mm& district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was **33°C (-0.69°C from normal)** and **25°C (+1.46°C from normal)**, respectively. Mean relative humidity of the district was around 82-90%.

**Forecasted period: Today(8.30IST) to 08<sup>th</sup> October (8.30IST)2023**

**Weather advisory:** *Moderate rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.* The day temperature will be **30-33°C** and night temperature will be **23-25°C** for upcoming 5 days. Maximum and minimum relative humidity will be 78-93% and 53-71% 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	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall(mm)	25	13	06	05	02
T-Max(°C)	31	30	30	33	33
T-Min(°C)	25	23	25	24	24
Cloud Cover	8	8	8	8	7
RH Max (%)	93	87	89	89	78
RH Min (%)	68	71	64	61	53
Wind Speed (Kmph)	14	12	9	9	8
Wind Direction (deg)	207	225	270	328	293

**Agromet Advisory**

**General advisory:**

*Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.*

**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**

- Past 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:**

Maize is at cob initiation stage. **Maintain proper drainage channel in the field.** There may be **Aphids and Thrips** infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control **stem borer** apply fipronil 5SC 400ml/acre in 200 litre water. There may be chances of **tobacco caterpillar** in maize in between temperature 15-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 litre water.

**Kharif-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/litre water.

**VEGETABLES:**

- **Maintain proper drainage in vegetable field to avoid water logging.**
- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- For sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control **fruit and shoot borer** in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- **After rainfall there may be chances of wilting in Brinjal and damping off dis in unseasonal cauliflower.** To prevent from **wilting or partial wilting in brinjal** apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid **damping off** in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

**DrRanjan Kumar Mohanta**  
**(Nodal officer)**



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# GRAMIN KRISHIMAUSAM 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

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR



Bulletin No.-441

Date- 03/10/2023

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

The block received average 12mm& district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (-0.69°C from normal) and 25°C (+1.46°C from normal), respectively. Mean relative humidity of the district was around 82-90%.

**Forecasted period: Today(8.30IST) to 08<sup>th</sup> October (8.30IST)2023**

**Weather advisory:** Moderate rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 29-33°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-93% and 54-71% 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	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall(mm)	24	15	06	05	02
T-Max(°C)	31	31	29	33	32
T-Min(°C)	25	23	25	24	24
Cloud Cover(octa)	8	8	8	8	7
RH Max (%)	93	87	90	88	78
RH Min (%)	70	71	67	62	54
Wind Speed (Kmph)	13	11	9	9	8
Wind Direction (deg)	207	212	270	328	293

## Agromet Advisory

### General advisory:

Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.

### 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

- Past 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:

- Due to anticipation of rainfall activities from Friday, farmers should pause irrigation in sugarcane.

Prevailing hot weather favours the infestation of Mites, Mealy bug, Whitefly and scale insect in sugarcane. If mites will be found the spray spiromesifen 22.9% SC 1ml/ltr of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control scale insects apply Dimethoate 2ml/ltr water or methyl demeton 2ml/ltr water. To control white fly go for spraying of Thiamethoxam 40 gram in 200ltr water for one acre. Present weather conditions are congenial for top rot incidence in sugarcane. Based on severity of incidence go for spraying with carbendazim @ 1g or mancozeb @ 3 g/l for two times at an interval of 10-15 days.

### VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.

- Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.

- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta  
(Nodal officer)



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Contact No-9861445080/7008453427



# GRAMIN KRISHIMAUSAM 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

AGROMET ADVISORY BULLETIN FOR KANTAPADA



Bulletin No.-441

Date- 03/10/2023

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

The block received average 10mm & district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (-0.69°C from normal) and 25°C (+1.46°C from normal), respectively. Mean relative humidity of the district was around 82-90%.

**Forecasted period: Today (8.30 IST) to 08<sup>th</sup> October (8.30 IST) 2023**

**Weather advisory:** Moderate rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 28-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-92% and 53-70% 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)				
Date	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall(mm)	22	20	06	06	02
T-Max(°C)	32	28	31	34	33
T-Min(°C)	25	24	25	25	24
Cloud Cover(octa)	8	8	8	8	7
RH Max (%)	92	88	87	89	80
RH Min (%)	67	70	61	60	53
Wind Speed (Kmph)	16	12	10	8	8
Wind Direction (deg)	207	242	248	315	293

## Agromet Advisory

### General advisory:

Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.

### 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

- Past 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:

- **Due to anticipation of rainfall activities from Friday, farmers should pause irrigation in sugarcane.**

Prevailing hot weather favours the infestation of **Mites, Mealy bug, Whitefly and scale** insect in sugarcane. If mites will be found the spray spiromesifen 22.9% SC 1ml/ltr of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control scale insects apply Dimethoate 2ml/ltr water or methyl demeton 2ml/ltr water. To control white fly go for spraying of Thiamethoxam 40 gram in 200ltr water for one acre. Present weather conditions are congenial for **top rot** incidence in sugarcane. Based on severity of incidence go for spraying with carbendazim @ 1g or mancozeb @ 3 g/l for two times at an interval of 10-15 days.

### VEGETABLES:

- **Maintain proper drainage in vegetable field to avoid water logging.**
  - **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
  - Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
  - For sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
  - To control **fruit and shoot borer** in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
  - After rainfall there may be chances of **wilting** in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta  
(Nodal officer)



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**GRAMIN KRISHI MAUSAM SEWA  
INDIA METEOROLOGICAL DEPARTMENT  
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**AGROMET ADVISORY BULLETIN FOR MAHANGA**



Bulletin No.-441

Date- 03/10/2023

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

The block received average 08mm & district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (-0.69°C from normal) and 25°C (+1.46°C from normal), respectively. Mean relative humidity of the district was around 82-90%.

**Forecasted period: Today (8.30 IST) to 08<sup>th</sup> October (8.30 IST) 2023**

**Weather advisory:** Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be and it will be 29-33°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will 82-93% and 53-77% 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)				
Date	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall (mm)	34	25	07	05	02
T-Max (°C)	31	30	29	33	32
T-Min (°C)	25	23	25	24	24
Cloud Cover (octal)	8	8	7	8	6
RH Max (%)	93	89	89	90	82
RH Min (%)	69	77	70	62	53
Wind Speed (Kmph)	16	12	10	9	8
Wind Direction (deg)	204	225	251	328	270

**Agro-met Advisory**

**General advisory:**

Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards ..

**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**

- Past 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:**

- **Due to anticipation of rainfall activities from Friday, farmers should pause irrigation in sugarcane.**

Prevailing hot weather favours the infestation of **Mites, Mealy bug, Whitefly and scale** insect in sugarcane. If mites will be found the spray spiromesifen 22.9% SC 1ml/ltr of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control scale insects apply Dimethoate 2ml/ltr water or methyl demeton 2ml/ltr water. To control white fly go for spraying of Thiamethoxam 40 gram in 200ltr water for one acre. Present weather conditions are congenial for **top rot** incidence in sugarcane. Based on severity of incidence go for spraying with carbendazim @ 1g or mancozeb @ 3 g/l for two times at an interval of 10-15 days.

**VEGETABLES:**

- **Maintain proper drainage in vegetable field to avoid water logging.**
- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- For sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control **fruit and shoot borer** in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of **wilting** in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid **damping off** in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

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



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# GRAMIN KRISHIMAUSAM 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.-441

Date- 03/10/2023

## AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 08mm & district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (-0.69°C from normal) and 25°C (+1.46°C from normal) respectively. Mean relative humidity of the district was around 82-90%.

### Forecasted period: Today (8.30 IST) to 08<sup>th</sup> October (8.30 IST) 2023

**Weather advisory:** Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 30-33°C and night temperature will be 22-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-97% and 51-73% 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)				
Date	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall (mm)	36	14	06	05	02
T-Max (°C)	30	33	30	33	33
T-Min (°C)	23	23	23	22	23
Cloud Cover (octa)	8	8	8	7	7
RH Max (%)	97	76	92	85	80
RH Min (%)	73	62	64	59	51
Wind Speed (Kmph)	7	9	7	8	7
Wind Direction (deg)	225	246	288	297	296

### Agromet Advisory

#### General advisory:

Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.

#### 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

- Past 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:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 liter water. There may be chances of tobacco caterpillar in maize in between temperature 15-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

#### Kharif-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:

- Maintain proper drainage in vegetable field to avoid water logging.
- Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta  
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

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# GRAMIN KRISHIMAUSAM 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.-441

Date- 03/10/2023

## AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 15mm& district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (-0.69°C from normal) and 25°C (+1.46°C from normal), respectively. Mean relative humidity of the district was around 82-90%.

**Forecasted period: Today(8.30IST) to 08<sup>th</sup> October (8.30IST)2023**

**Weather advisory:** Moderate rainfall is forecasted for today and very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 28-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-91% and 52-69% 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)				
Date	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall(mm)	21	09	06	05	02
T-Max(°C)	32	28	31	34	33
T-Min(°C)	25	24	25	25	24
Cloud Cover(octa)	8	8	8	8	7
RH Max (%)	91	87	85	89	82
RH Min (%)	66	69	59	59	52
Wind Speed(Kmph)	18	13	10	8	8
Wind Direction(deg)	207	245	225	306	255

### Agromet Advisory

#### General advisory:

Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.

#### 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

- Past 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:

- Due to anticipation of rainfall activities from Friday, farmers should pause irrigation in sugarcane.

Prevailing hot weather favours the infestation of Mites, Mealy bug, Whitefly and scale insect in sugarcane. If mites will be found the spray spiromesifen 22.9% SC 1ml/ltr of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control scale insects apply Dimethoate 2ml/ltr water or methyl demeton 2ml/ltr water. To control white fly go for spraying of Thiamethoxam 40 gram in 200ltr water for one acre. Present weather conditions are congenial for top rot incidence in sugarcane. Based on severity of incidence go for spraying with carbendazim @ 1g or mancozeb @ 3 g/l for two times at an interval of 10-15 days.

#### VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.
- Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanja cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

DrRanjan Kumar Mohanta  
(Nodal officer)



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# GRAMIN KRISHIMAUSAM 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.-441

Date- 03/10/2023

## AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 14mm& district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (-0.69°C from normal) and 25°C (+1.46°C from normal), respectively. Mean relative humidity of the district was around 82-90%.

### Forecasted period: Today(8.30IST) to 08<sup>th</sup> October (8.30IST)2023

**Weatheradvisory:: Moderate rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3days in the block.** The day temperature will be 29-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-93% and 53-74% 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	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall(mm)	29	15	08	05	02
T-Max(°C)	32	29	29	33	32
T-Min(°C)	25	24	25	24	24
Cloud Cover(octa)	8	8	8	8	6
RH Max (%)	93	89	89	90	80
RH Min (%)	68	74	67	61	53
Wind Speed (Kmph)	16	12	10	9	8
Wind Direction (deg)	204	225	251	328	270

### Agromet Advisory

#### General advisory:

Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.

#### 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

- Past 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:

- **Due to anticipation of rainfall activities from Friday, farmers should pause irrigation in sugarcane.**

Prevailing hot weather favours the infestation of Mites, Mealy bug, Whitefly and scale insect in sugarcane. If mites will be found the spray spiromesifen 22.9% SC 1ml/litre of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control scale insects apply Dimethoate 2ml/litre water or methyl demeton 2ml/litre water. To control white fly go for spraying of Thiamethoxam 40 gram in 200litre water for one acre. Present weather conditions are congenial for **top rot** incidence in sugarcane. Based on severity of incidence go for spraying with carbendazim @ 1g or mancozeb @ 3 g/l for two times at an interval of 10-15 days.

#### VEGETABLES:

- **Maintain proper drainage in vegetable field to avoid water logging.**
- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- For sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control **fruit and shoot borer** in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of **wilting** in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/litre.
- To avoid **damping off** in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta  
(Nodal officer)



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**GRAMIN KRISHIMAUSAM 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.-441  
Date- 03/10/2023

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 17mm& district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (-0.69°C from normal) and 25°C (+1.46°C from normal), respectively. Mean relative humidity of the district was around 82-90%.

**Forecasted period: Today(8.30IST) to 08<sup>th</sup> October (8.30IST)2023**

**Weather advisory::** Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3days in the block. The day temperature will be 29-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-93% and 53-74% 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	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall(mm)	31	16	07	05	02
T-Max(°C)	31	30	29	33	32
T-Min(°C)	25	24	25	24	24
Cloud Cover(octa)	8	8	8	8	6
RH Max (%)	93	89	89	89	80
RH Min (%)	69	74	67	61	53
Wind Speed (Kmph)	16	12	10	9	8
Wind Direction (deg)	207	225	251	328	270

**Agromet Advisory**

**General advisory:**

Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.

**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**

- Past 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:**

Maize is at cob initiation stage. Maintain proper drainage channel in the field. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 liter water. There may be chances of tobacco caterpillar in maize in between temperature 15-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

**Kharif-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:**

- Maintain proper drainage in vegetable field to avoid water logging.
- Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta  
(Nodal officer)



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# GRAMIN KRISHIMAUSAM 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

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR



Bulletin No.-441

Date- 03/10/2023

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

The block received average 08mm & district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (-0.69°C from normal) and 25°C (+1.46°C from normal), respectively. Mean relative humidity of the district was around 82-90%.

**Forecasted period: Today (8.30 IST) to 08<sup>th</sup> October (8.30 IST) 2023**

**Weather advisory:** Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 29-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-90% and 58-69% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall(mm)	32	20	07	05	02
T-Max(°C)	31	30	29	33	32
T-Min(°C)	25	24	25	24	24
Cloud Cover(octa)	8	8	8	8	7
RH Max (%)	89	85	83	90	84
RH Min (%)	69	69	63	62	58
Wind Speed (Kmph)	22	17	13	9	10
Wind Direction (deg)	207	238	248	326	180

## Agromet Advisory

### General advisory:

Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.

### 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

- Past 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:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. There may be **Aphids and Thrips** infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre. To control **stem borer** apply fipronil 5SC 400ml/acre in 200 liter water. There may be chances of **tobacco caterpillar** in maize in between temperature 15-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

### Kharif-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:

- **Maintain proper drainage in vegetable field to avoid water logging.**
- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- For sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control **fruit and shoot borer** in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanja cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

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.-441

Date- 03/10/2023

## AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 12mm& district received average 11mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C (-0.69°C from normal) and 25°C (+1.46°C from normal), respectively. Mean relative humidity of the district was around 82-90%.

### Forecasted period: Today(8.30IST) to 08<sup>th</sup> October (8.30IST)2023

**Weather advisory:** Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 30-33°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-95% and 56-72% 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)				
Date	03/10/2023	04/10/2023	05/10/2023	06/10/2023	07/10/2023
Rainfall(mm)	33	18	06	05	02
T-Max(°C)	31	32	30	33	33
T-Min(°C)	24	23	24	23	23
Cloud Cover(octa)	8	8	8	7	7
RH Max (%)	95	82	92	87	79
RH Min (%)	72	67	68	63	56
Wind Speed (Kmph)	10	9	8	10	8
Wind Direction (deg)	207	246	283	302	296

### Agro met Advisory

#### General advisory:

Farmers should drain out excess water from rice, maize, groundnut and other vegetable fields. They should resume all agricultural activities like fertilizer, pesticide application and sowing of unseasonal vegetables from Friday onwards.

#### 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

- Past 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:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 litre water. There may be chances of tobacco caterpillar in maize in between temperature 15-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 litre water.

#### Kharif-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/litre water.

#### VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.
- Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

DrRanjan Kumar Mohanta  
(Nodal officer)



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



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Bulletin No.-441  
 Date- 03/10/2023

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

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