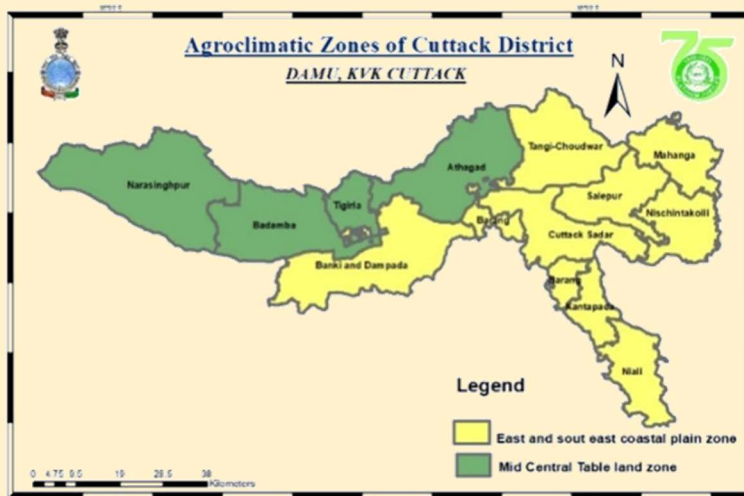




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Monday, 03rd October, 2022
(For the period 03rd to 07th
October, 2022)*



*Issued by
District Agromet Unit,
KrishiVigyan 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.-336
Date- 03/10/2022

STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p align="center">Standardised Precipitation Index for the period 25th August 2022 to 21st September 2022</p> <p align="center">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p align="center">STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 25 AUG 2022 TO 21 SEPT 2022</p> <p align="center">SPI VALUES</p> <ul style="list-style-type: none"> <= -2 (Extremely Dry) -1.50 to -1.00 (Severely Dry) -1.00 to -0.50 (Moderately Dry) 0 to -0.50 (Mildly Dry) 0 to 0.50 (Mildly Wet) 1.0 to 1.50 (Moderately Wet) 1.50 to 2.00 (Severely Wet) >= 2 (Extremely Wet) No Data 	<p align="center">NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 38 (17.09.2022 to 23.09.2022) over Agricultural region</p> <p align="center">Odisha</p> <p align="center">Legend for NDVI:</p> <ul style="list-style-type: none"> -0.9999 - 0 0 - 0.05 0.05 - 0.1 0.1 - 0.15 0.15 - 0.2 0.2 - 0.25 0.25 - 0.3 0.3 - 0.35 0.35 - 0.4 0.4 - 0.45 0.45 - 0.5 0.5 - 0.55 0.55 - 0.6 > 0.6 <p align="center">Agriculture vigour is good at isolated places and moderate over many places of the state.</p>
<p>As per SPI value (cumulative 4weeks -25 August 2022 – 21 September 2022), mild dry condition was there in Cuttack district.</p>	<p>According to NDVI map (17.09.2022 to 23.09.2022) the agriculture vigor was very light to light over most places of Cuttack district and light to moderate over isolated places of Badamba, Narasinghpur, Athagad, Tigirea, Nischintakoili, Kantapadaonly.</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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427

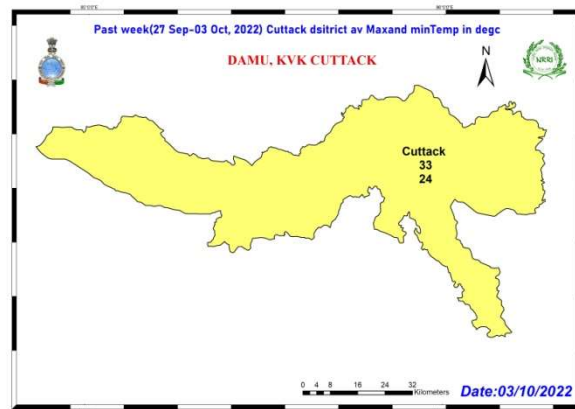
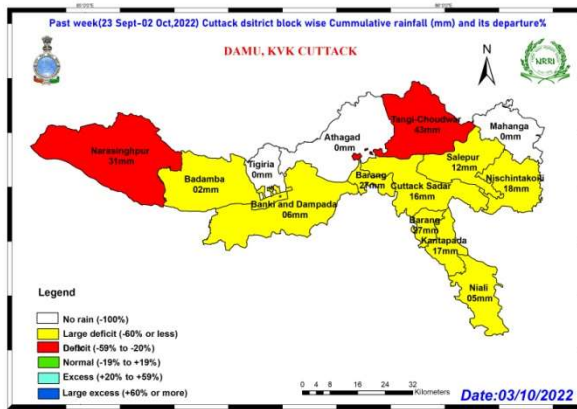


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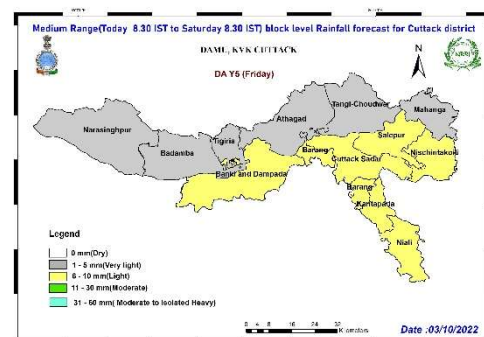
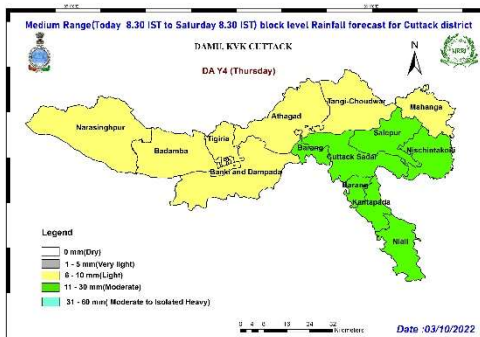
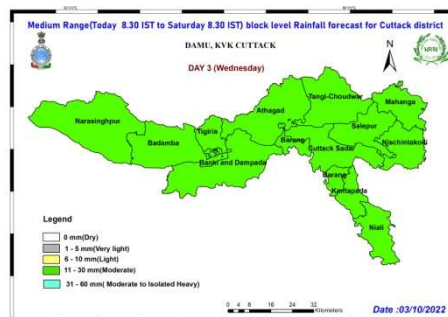
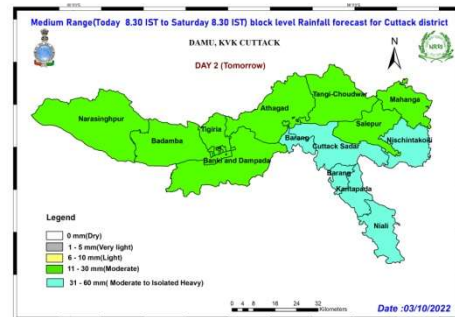
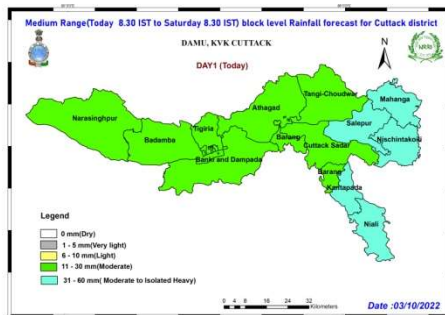


Bulletin No.-336
Date- 03/10/2022

Past week (26 Sep-02 Oct, 2022) cumulative rainfall departure% from normal and (27 Sep-03 Oct, 2022) average maximum and minimum temperature for Cuttack district



Medium range (Today (8.30IST) to Saturday (8.30IST)) Rainfall (mm) forecast for Cuttack district



Dr Sujata Sethy
 (Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
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Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-336
Date- 03/10/2022

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 midge
				Gundhi bug
2	Sugarcane	7-8 month old		Mealy bug
				Scales
				White fly

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(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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				Top rot
3	Maize	Cob initiation		Aphid/thrips
				Stem borer
				Tobacco caterpillar
4	Vegetables			Aphid
				Leaf hopper
				White fly
	Brinjal	Transplanting		Wilt
	Okra	Fruting		Fruit and shoot borer
	Unseasonal Cauliflower	Seedling		Damping off
	Cucurbits			Downy mildew
				Stem rot

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				Leaf spot
5	Banana			Sigatoka
				Panama wilt

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Bulletin No.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 0mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weather advisory: *Moderate rainfall is forecasted for today to Wednesday and very light to light rainfall is forecasted for other 2 days in the block.* The day temperature will be 29-31°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 94-97% and 66-81% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall (mm)	20	17	16	10	5
T-Max (°C)	31	29	29	30	31
T-Min (°C)	25	25	24	24	24
Cloud Cover (octa)	8	8	6	8	6
RH Max (%)	97	97	96	94	94
RH Min (%)	66	81	78	75	70
Wind Speed (kmph)	9	10	12	9	8
Wind Direction (deg)	45	113	135	156	155

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythine to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

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 litre 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.

• **VEGETABLES:**

- **Maintain proper drainage in vegetable field to avoid water logging in view of heavy rainfall activities in upcoming 5 days.**
- 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/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. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**

- **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.

• **Animal husbandry:**

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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



Bulletin No.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 0.3 mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weather advisory: *Moderate rainfall is forecasted for today to Wednesday and very light to light rainfall is forecasted for other 2 days in the block.* The day temperature will be 28-32°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 94-97% and 64-82% 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	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	15	12	12	8	3
T-Max(°C)	32	28	29	29	31
T-Min(°C)	25	24	24	24	24
Cloud Cover(octa)	8	8	6	8	6
RH Max (%)	97	97	96	94	95
RH Min (%)	64	82	78	73	69
Wind Speed (Kmph)	8	10	12	9	8
Wind Direction (deg)	68	111	135	156	155

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythine to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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 gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

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 litre 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.

VEGETABLES:

- **Maintain proper drainage in vegetable field to avoid water logging in view of heavy rainfall activities in upcoming 5 days.**
- 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/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. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**
- **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.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

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SMS (Agrometeorology)
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Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weather advisory:: Moderate rainfall is forecasted for today to Wednesday and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 29-32°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-97% and 65-80% 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	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	20	18	15	9	6
T-Max(°C)	32	29	29	30	31
T-Min(°C)	25	25	24	24	24
Cloud Cover(octa)	8	8	6	8	6
RH Max (%)	97	96	96	93	94
RH Min (%)	65	80	77	73	68
Wind Speed (Kmph)	9	10	12	9	9
Wind Direction (deg)	63	113	135	156	155

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythine to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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:

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- **Maintain proper drainage in vegetable field to avoid water logging in view of heavy rainfall activities in upcoming 5 days.**
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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPADA

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

The block received average 0.9 mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weather Advisory:: Moderate rainfall is forecasted for today to Wednesday and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 29-32°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-97% and 65-81% 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	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	22	25	15	8	7
T-Max(°C)	32	29	29	30	31
T-Min(°C)	25	25	24	24	24
Cloud Cover(octa)	8	8	6	8	6
RH Max (%)	97	96	96	93	94
RH Min (%)	65	81	77	73	69
Wind Speed (Kmph)	9	10	12	9	9
Wind Direction (deg)	63	113	135	158	155

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythene to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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 gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- 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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

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 litre 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.
- **VEGETABLES:**
- **Maintain proper drainage in vegetable field to avoid water logging in view of heavy rainfall activities in upcoming 5 days.**
- 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/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. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**
- **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.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 3.9 mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weatheradvisory:; Moderate with isolated heavy rainfall (Tomorrow) is forecasted for today to Thursday and very light to light rainfall is forecasted for other 1 day in the block. The day temperature will be 29-31°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-97% and 70-80% 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	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	20	31	18	11	7
T-Max(°C)	31	29	30	30	31
T-Min(°C)	25	25	25	25	25
Cloud Cover	8	8	5	8	7
RH Max (%)	97	95	95	93	93
RH Min (%)	70	80	77	71	71
Wind Speed (Kmph)	10	13	11	8	8
Wind Direction (deg)	58	117	153	154	155

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythine to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

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.

• VEGETABLES:

- **Maintain proper drainage in vegetable field to avoid water logging in view of heavy rainfall activities in upcoming 5 days.**

- 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. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**

- **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.

• Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

Dr Sujata Sethy
(Nodal officer)



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



Bulletin No.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 2.3 mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weather advisory: *Moderate with isolated heavy rainfall (Tomorrow) is forecasted for today to Thursday and very light to light rainfall is forecasted for other 1 day in the block.* The day temperature will be 29-31°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 94-96% and 69-80% 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	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	17	32	22	12	7
T-Max(°C)	31	29	29	30	30
T-Min(°C)	25	26	25	25	25
Cloud Cover(octa)	8	8	5	8	7
RH Max (%)	96	95	95	94	94
RH Min (%)	69	80	77	71	71
Wind Speed (Kmph)	9	12	11	8	8
Wind Direction (deg)	64	117	153	153	155

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythine to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

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 in view of heavy rainfall activities in upcoming 5 days.**
- 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/litre 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/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. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**
- **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 Sujata Sethy
(Nodal officer)



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



Bulletin No.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 2 mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weather advisory: *Moderate with isolated heavy rainfall (Today and Tomorrow) is forecasted for today to Thursday and very light to light rainfall is forecasted for other 1 day in the block.* The day temperature will be 30-31°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-95% and 70-78% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	31	37	22	11	10
T-Max(°C)	31	30	30	30	31
T-Min(°C)	26	26	25	25	25
Cloud Cover(octa)	8	8	5	8	7
RH Max (%)	95	94	93	92	92
RH Min (%)	71	78	77	72	70
Wind Speed (Kmph)	10	15	11	7	9
Wind Direction (deg)	68	114	158	161	153

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythine to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

• **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 in view of heavy rainfall activities in upcoming 5 days.**
- 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/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. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**

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 Sujata Sethy
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Bulletin No.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 0 mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weather advisory: *Moderate with isolated heavy rainfall (Today) is forecasted for today to Thursday and very light to light rainfall is forecasted for other 1 day in the block.* The day temperature will be and it will be 30-31°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-95% and 67-79% 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	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	33	26	22	12	4
T-Max(°C)	31	30	30	31	31
T-Min(°C)	26	26	25	25	25
Cloud Cover(octal)	8	8	5	8	7
RH Max (%)	95	94	94	93	93
RH Min (%)	71	79	75	67	72
Wind Speed (Kmph)	9	15	11	8	8
Wind Direction (deg)	68	117	155	161	162

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythine to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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 gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

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 200 litre 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 200 litre 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 in view of heavy rainfall activities in upcoming 5 days.**
- 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/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. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**

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 Sujata Sethy
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 4 mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weatheradvisory:: Moderate rainfall is forecasted for today to Wednesday and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 27-31°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 96-98% and 62-86% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	13	15	12	8	3
T-Max(°C)	31	27	28	30	31
T-Min(°C)	24	24	24	23	23
Cloud Cover(octa)	8	8	6	7	6
RH Max (%)	97	98	97	96	97
RH Min (%)	62	86	82	69	69
Wind Speed (Kmph)	5	8	10	9	7
Wind Direction (deg)	72	103	135	156	158

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythine to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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 gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- 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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

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 litre 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.
- **VEGETABLES:**
- **Maintain proper drainage in vegetable field to avoid water logging in view of heavy rainfall activities in upcoming 5 days.**
- 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/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. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**
- **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.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 0.7 mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weather advisory: *Moderate with isolated heavy rainfall (Today and Tomorrow) is forecasted for today to Thursday and very light to light rainfall is forecasted for other 1 day in the block.* The day temperature will be 30-32°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-93% and 70-78% 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	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	34	36	25	11	8
T-Max(°C)	31	30	30	30	32
T-Min(°C)	26	26	25	25	25
Cloud Cover(octa)	8	8	5	8	7
RH Max (%)	93	92	91	91	89
RH Min (%)	72	78	77	75	70
Wind Speed(Kmph)	10	17	12	8	10
Wind Direction(deg)	71	114	161	161	153

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythine to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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 gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

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 in view of heavy rainfall activities in upcoming 5 days.**
- 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/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. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**

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 Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 2.6 mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weather advisory: *Moderate with isolated heavy rainfall (Today and Tomorrow) is forecasted for today to Thursday and very light to light rainfall is forecasted for other 1 day in the block.* The day temperature will be 30-31°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-95% and 68-78% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	36	32	23	15	9
T-Max(°C)	31	30	30	31	31
T-Min(°C)	26	26	25	25	25
Cloud Cover(octa)	8	8	5	8	7
RH Max (%)	95	93	93	93	92
RH Min (%)	71	78	75	68	71
Wind Speed (Kmph)	9	16	11	8	8
Wind Direction (deg)	68	114	153	158	162

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythene to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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 gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- 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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

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 in view of heavy rainfall activities in upcoming 5 days.**
- 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/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. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**

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 Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

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



Bulletin No.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 1.7 mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weather advisory: *Moderate with isolated heavy rainfall (Today) is forecasted for today to Thursday and very light to light rainfall is forecasted for other 1 day in the block.* The day temperature will be 30-31°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-95% and 68-79% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	33	27	20	13	8
T-Max(°C)	31	30	30	31	31
T-Min(°C)	26	26	25	25	25
Cloud Cover(octa)	8	8	5	8	7
RH Max (%)	95	94	94	93	93
RH Min (%)	71	79	76	68	72
Wind Speed (Kmph)	9	15	11	8	8
Wind Direction (deg)	68	114	153	158	162

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythine to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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 gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

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 litre 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.

VEGETABLES:

- **Maintain proper drainage in vegetable field to avoid water logging in view of heavy rainfall activities in upcoming 5 days.**
- 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/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. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**
- **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.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

Dr Sujata Sethy
(Nodal officer)



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



Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



GRAM 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.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 6 mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weatheradvisory: Moderate rainfall is forecasted for today to Wednesday and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 31-32°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-88% and 68-79% 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	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	22	23	19	10	4
T-Max(°C)	31	31	31	31	32
T-Min(°C)	28	28	27	27	27
Cloud Cover(octa)	8	7	5	8	7
RH Max (%)	88	87	87	87	84
RH Min (%)	73	79	76	70	68
Wind Speed (Kmph)	15	23	16	10	12
Wind Direction (deg)	90	156	162	167	156

Agromet Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythine to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

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.
- **VEGETABLES:**
- **Maintain proper drainage in vegetable field to avoid water logging in view of heavy rainfall activities in upcoming 5 days.**
- 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/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. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**
- **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.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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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.-336
Date- 03/10/2022

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 0 mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+0.04) and 24.8°C (+1.03), respectively. The mean relative humidity was 80-86%.

Forecasted period: Today(8.30IST) to 08th October(8.30IST)2022

Weather advisory: *Moderate rainfall is forecasted for today to Wednesday and very light to light rainfall is forecasted for other 2 days in the block.* The day temperature will be 29-32°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 94-97% and 66-82% 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	03/10/2022	04/10/2022	05/10/2022	06/10/2022	07/10/2022
Rainfall(mm)	14	16	16	8	4
T-Max(°C)	32	29	29	30	31
T-Min(°C)	25	25	24	24	24
Cloud Cover(octa)	8	8	6	8	6
RH Max (%)	97	97	97	94	95
RH Min (%)	66	82	78	75	72
Wind Speed (Kmph)	8	9	12	9	8
Wind Direction (deg)	72	113	135	156	155

Agro met Advisory

General advisory:

Farmers should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Today to Thursday in view of moderate to heavy rainfall activities. They should cover vegetable nursery with polythine to protect them from heavy shower.

Kharif Rice

Maintain about 5-10cm standing water during panicle initiation to flowering stage.

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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 gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
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.
- Chances of **gundhi bug** incidence for crop at flowering stage. If observe spray Ethofenprox 10% EC @ 1 ml/litre of water.

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.
- **VEGETABLES:**
- **Maintain proper drainage in vegetable field to avoid water logging in view of heavy rainfall activities in upcoming 5 days.**
- 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/litre 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/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 day. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases after rainfall.**
- **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.

Animal husbandry:

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



- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.

<https://play.google.com/store/apps/details?id=com.aas.meghdoot>

- Kindly install and use **“Damini mobile App”** for location specific for lightening forecast and warnings.

<https://play.google.com/store/apps/details?id=com.lightening.live.damini>

- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

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

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