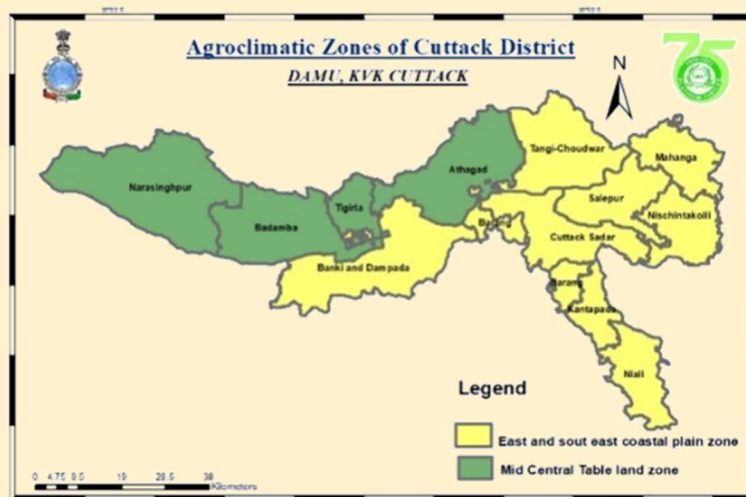




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday, 05th September, 2023
(For the period 05th to 9th September,
2023)*



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





GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
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Bulletin No.-433
Date- 05/09/2023

STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p align="center">Standardised Precipitation Index for the period 13th July to 9th August 2023</p>	<p align="center">NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 35 (27.08.2023 to 02.09.2023) over Agricultural region</p> <p align="center">Odisha</p> <p align="center">Agriculture vigour is moderate over few places of the state.</p>
<p><i>As per SPI value (cumulative 4weeks -13 July to 9August 2023), Mildly wet condition was there in Cuttack district.</i></p>	<p><i>According to NDVI map (27.08.2023 to 02.09.2023) the agriculture vigor was moderate over isolated places of Narsinghpur, Badamba, Tigirea, Athagad, Tangichoudwar, Banki-dampada block of Cuttack district and very light to light over most places of other blocks.</i></p>

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

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

Dr Sujata Sethy
(Nodal officer)



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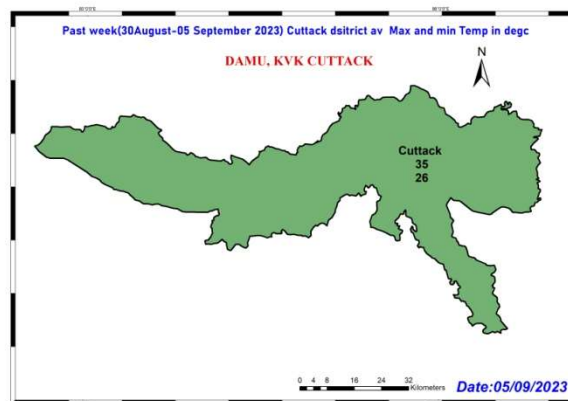
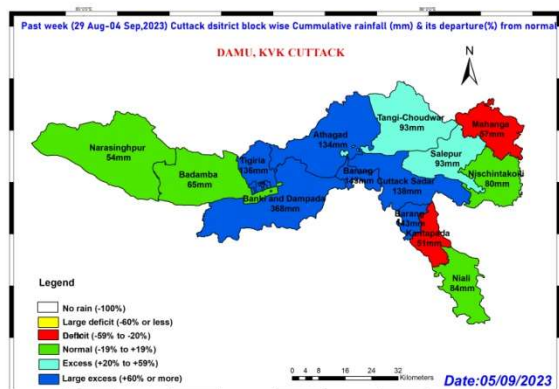
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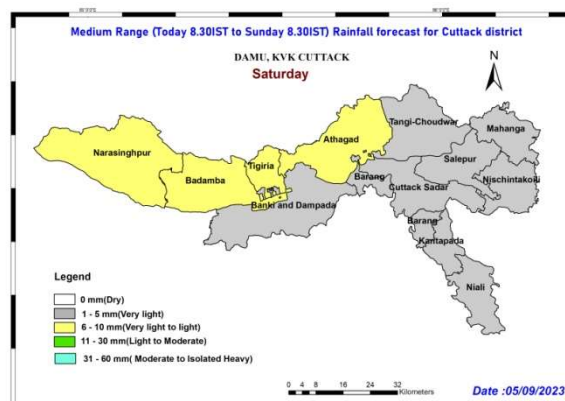
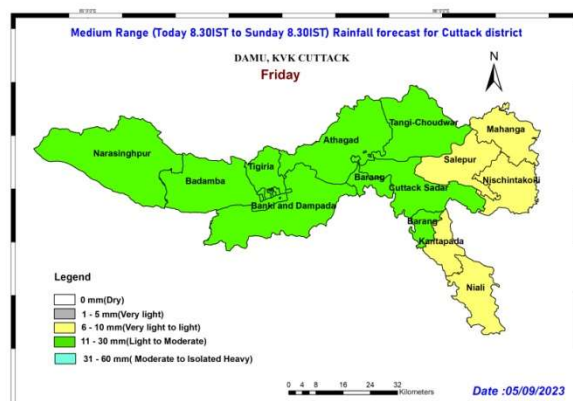
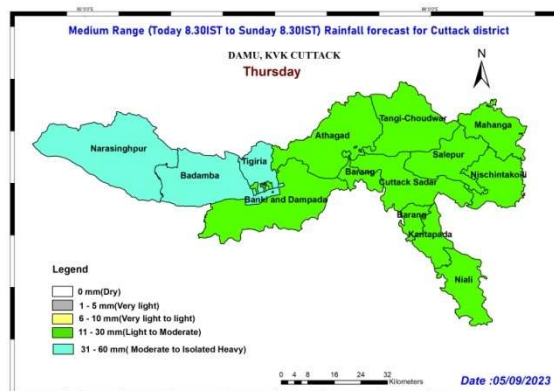
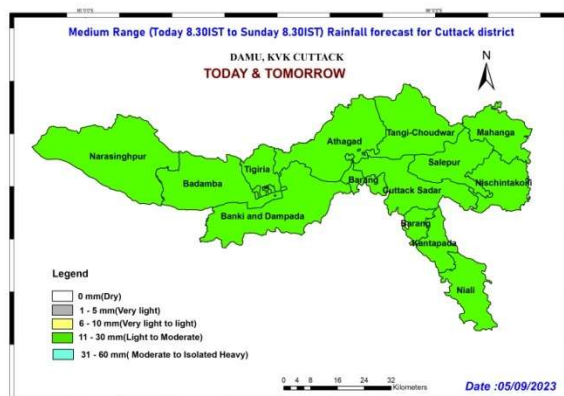
Bulletin No.-433

Date- 05/09/2023

Past week (29 August-04 September, 2023) cumulative rainfall(mm) & its departure% from normal and (30 August-05 September) average maximum and minimum temperature for Cuttack district



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



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Bulletin No.-433
Date- 05/09/2023

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (10-16 September 2023) after 5 days				
Odisha	<i>Parameter</i>	<i>Actual</i>	<i>Normal</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall (mm)	12.55	10.14	23.80	Above Normal
	<i>Parameter</i>	<i>Actual</i>	<i>Normal</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature (°C)	31.24	31.35	-0.11	Normal
	Minimum temperature (°C)	24.51	23.96	0.54	Normal

***Agromet Advisory based upon subsequent week extended range forecast:-** There will be **above normal rainfall in the subsequent week (10-16 September, 2023) after 5 days in Odisha condition**. As there will be light to moderate with isolated heavy to very heavy rainfall was realized in the past week and also forecasted in between upcoming 5 days and also above normal rainfall is forecasted in the subsequent week, so there may be water logging condition in rice and other vegetable field. Farmers may go for drainage of excess water from rice, maize, pulses, kharif groundnut in upcoming 5 days/in the subsequent week. Due to likely above normal rainfall activity in the subsequent week they may stop sowing of vegetables and harvest matured vegetables before that. **Farmers should pause fertilizer/pesticide application; human labour engagement in upcoming 5 days as well as in the**



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Bulletin No.-433
Date- 05/09/2023

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	Tillering to panicle initiation		Sheath blight
				Blast
				Stem/Foot rot
				Brown plant hopper
				Stem borer
				Gall midge
2	Sugarcane	6-7 month old		Red rot
				Rust
3	Maize	Tasseling to silking stage		Fall army worm

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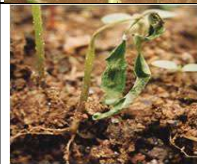






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				Banded leaf blight
				Downy mildew
4	Brinjal, tomato, chilli	seedling		Seedling rot
				Stem rot
5	Tomato and brinjal	Fruting		Bacterial wilt
6	Pointed gourd			Fruit rot
7	Pumpkin(Cucurbits)	Flowering to fruting		Stem and root rot
8	Banana			Sigatoka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

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Bulletin No.-433

Date- 05/09/2023

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

The block received average 19mm& district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (+2.7°C from normal)** and **26°C (+1.6°C from normal)**, respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today(8.30IST) to 10th September (8.30IST)2023

Weather advisory::Light to moderate rainfall is forecasted in between upcoming 5 days in the block. The day temperature will be 29-32°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-94% and 60-67% 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall (mm)	16	17	30	17	8
T-Max (°C)	32	31	30	29	30
T-Min (°C)	24	25	25	26	25
Cloud Cover (octa)	8	8	8	8	8
RH Max (%)	91	94	91	89	89
RH Min (%)	63	60	67	66	65
Wind Speed (kmph)	9	10	8	8	9
Wind Direction (deg)	71	154	206	195	161

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Maize:**
 - Provide drainage facility. Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.
- **VEGETABLES:** Drain out excess water from the field. Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- **Fruits:** Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for **panama wilt** of Banana disease.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-433
Date- 05/09/2023

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 9mm & district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (+2.7°C from normal)** and **26°C (+1.6°C from normal)**, respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today (8.30 IST) to 10th September (8.30 IST) 2023

Weather advisory: Light to moderate with isolated heavy rainfall is forecasted in between upcoming 5 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 87-94% and 61-67% 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall (mm)	16	17	33	18	9
T-Max (°C)	31	31	30	29	30
T-Min (°C)	24	24	24	25	24
Cloud Cover (octa)	8	8	8	8	8
RH Max (%)	92	94	91	87	89
RH Min (%)	66	61	67	67	65
Wind Speed (Kmph)	8	9	7	7	8
Wind Direction (deg)	71	154	135	180	165

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Maize:**
 - Provide drainage facility. Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.
- **VEGETABLES:** **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

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

Dr Sujata Sethy
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Bulletin No.-433
Date- 05/09/2023

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (+2.7°C from normal)** and **26°C (+1.6°C from normal)**, respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today(8.30IST) to 10th September (8.30IST)2023

Weather advisory: *Light to moderate rainfall is forecasted in between upcoming 5 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 86-93% and 59-64% 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall(mm)	15	16	28	15	5
T-Max(°C)	31	31	30	29	30
T-Min(°C)	24	24	25	25	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	91	93	89	86	87
RH Min (%)	64	59	64	64	64
Wind Speed (Kmph)	9	9	8	8	9
Wind Direction (deg)	71	154	210	195	180

Agromet Advisory

General advisory: *Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.*

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Maize:**
 - Provide drainage facility. Rainfall **after a dry spell may aggravate infestation of fall army worm in maize**, to control **fall armyworm** in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.
- **VEGETABLES:** **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

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

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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.-433

Date- 05/09/2023

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 53mm & district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C (+2.7°C from normal) and 26°C (+1.6°C from normal) respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today(8.30IST) to 10th September (8.30IST)2023

Weather Advisory: Light to moderate rainfall is forecasted in between upcoming 5 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 86-93% and 59-65% 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall(mm)	16	17	30	16	5
T-Max(°C)	31	31	30	29	30
T-Min(°C)	24	24	25	25	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	91	93	89	86	87
RH Min (%)	64	59	64	64	65
Wind Speed (Kmph)	9	9	8	9	9
Wind Direction (deg)	71	154	203	200	180

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Maize:**
 - Provide drainage facility. Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall army worm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.
- **VEGETABLES:** **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

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

Dr Sujata Sathy
(Nodal officer)



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Debasish Jena

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Bulletin No.-433
Date- 05/09/2023

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 21mm& district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (+2.7°C from normal)** and **26°C (+1.6°C from normal)**, respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today(8.30IST) to 10th September (8.30IST)2023

Weather advisory: **Light to moderate rainfall is forecasted in between upcoming 5 days in the block.** The day temperature will be **29-32°C** and night temperature will be **25-26°C** for upcoming 5 days. Maximum and minimum relative humidity will be 86-92% and 58-67% 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall(mm)	12	13	27	14	4
T-Max(°C)	32	31	31	30	29
T-Min(°C)	25	25	26	25	25
Cloud Cover	8	8	8	8	8
RH Max (%)	87	92	86	88	86
RH Min (%)	58	58	63	66	67
Wind Speed (Kmph)	9	10	11	11	9
Wind Direction (deg)	71	150	200	205	198

Agromet Advisory

General advisory: **Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.**

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Maize:**
 - Provide drainage facility. Rainfall **after a dry spell may aggravate infestation of fall army worm in maize**, to control **fall army worm** in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.
- **VEGETABLES:** **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

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

Dr Sujata Sethy
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR



Bulletin No.-433

Date- 05/09/2023

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

The block received average 20mm& district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C (+2.7°C from normal) and 26°C (+1.6°C from normal) respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today(8.30IST) to 10th September (8.30IST)2023

Weather advisory: Light to moderate rainfall is forecasted in between upcoming 5 days in the block. The day temperature will be 29-32°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-92% and 58-67% 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall(mm)	11	12	25	14	4
T-Max(°C)	32	31	30	29	30
T-Min(°C)	25	25	26	26	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	88	92	89	89	87
RH Min (%)	58	58	67	67	66
Wind Speed (Kmph)	9	10	10	10	9
Wind Direction (deg)	71	154	203	208	169

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.

Kharif Rice

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

Weather based Disease and pest of rice

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH)** infestation will observe in rice, go for alternate wetting and drying. Spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- Sugarcane:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

VEGETABLES:

- Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits:

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

Dr Sujata Sethy
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR KANTAPADA



Bulletin No.-433

Date- 05/09/2023

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

The block received average 7mm & district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C (+2.7°C from normal) and 26°C (+1.6°C from normal) respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today (8.30 IST) to 10th September (8.30 IST) 2023

Weather advisory: Light to moderate rainfall is forecasted in between upcoming 5 days in the block. The day temperature will be 29-33°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-90% and 55-69% 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall (mm)	11	12	23	12	3
T-Max (°C)	33	32	31	30	29
T-Min (°C)	25	26	27	25	25
Cloud Cover (octa)	8	8	8	8	8
RH Max (%)	85	90	84	85	85
RH Min (%)	55	56	61	66	69
Wind Speed (Kmph)	9	9	12	14	10
Wind Direction (deg)	135	155	203	207	203

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH)** infestation will observe in rice, go for alternate wetting and drying. Spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Sugarcane:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalophos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits:

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

Dr Sujata Sethy
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR MAHANGA



Bulletin No.-433

Date- 05/09/2023

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

The block received average 08mm & district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C (+2.7°C from normal) and 26°C (+1.6°C from normal) respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today (8.30 IST) to 10th September (8.30 IST) 2023

Weather advisory: Light to moderate rainfall is forecasted in between upcoming 5 days in the block. The day temperature will be and it will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will 86-90% and 54-71% 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall (mm)	16	13	25	10	5
T-Max (°C)	33	32	30	29	30
T-Min (°C)	25	26	26	25	25
Cloud Cover (octal)	8	8	8	8	8
RH Max (%)	86	90	89	88	89
RH Min (%)	54	55	68	71	69
Wind Speed (Kmph)	9	10	11	11	8
Wind Direction (deg)	68	154	203	205	203

Agro-met Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH)** infestation will observe in rice, go for alternate wetting and drying. Spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Sugarcane:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits:

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

Dr Sujata Sethy
(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)



Bulletin No.-433
Date- 05/09/2023

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

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 8mm & district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (+2.7°C from normal)** and **26°C (+1.6°C from normal)** respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today (8.30 IST) to 10th September (8.30 IST) 2023

Weather advisory: Light to moderate with isolated heavy rainfall is forecasted in between upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-97% and 66-73% 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall (mm)	14	14	35	18	8
T-Max (°C)	29	30	29	28	30
T-Min (°C)	23	24	24	24	24
Cloud Cover (octa)	8	8	8	8	8
RH Max (%)	94	97	94	88	89
RH Min (%)	70	66	70	73	68
Wind Speed (Kmph)	6	7	5	4	5
Wind Direction (deg)	79	79	116	161	153

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Maize:**
 - Provide drainage facility. Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall army worm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.
- **VEGETABLES:** Drain out excess water from the field. Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- **Fruits:** Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for **panama wilt** of Banana disease.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-433
Date- 05/09/2023

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AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 13mm& district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (+2.7°C from normal)** and **26°C (+1.6°C from normal)**, respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today(8.30IST) to 10th September (8.30IST)2023

Weather advisory: *Light to moderate rainfall is forecasted in between upcoming 5 days in the block.* The day temperature will be 29-33°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-88% and 55-70% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall(mm)	11	11	25	8	4
T-Max(°C)	33	32	31	30	29
T-Min(°C)	25	26	27	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	83	88	82	84	85
RH Min (%)	55	56	61	67	70
Wind Speed(Kmph)	9	10	14	16	12
Wind Direction(deg)	150	158	200	207	203

Agromet Advisory

General advisory: *Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.*

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Sugarcane:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

• **VEGETABLES:**

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli seedlings** should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits:

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

Dr Sujata Sethy
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 12mm& district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (+2.7°C from normal)** and **26°C (+1.6°C from normal)**, respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today(8.30IST) to 10th September (8.30IST)2023

Weather advisory: *Light to moderate rainfall is forecasted in between upcoming 5 days in the block.* The day temperature will be **30-33°C** and night temperature will be **25-26°C** for upcoming 5 days. Maximum and minimum relative humidity will be **85-89%** and **53-70%** 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall(mm)	12	11	26	9	4
T-Max(°C)	33	32	30	30	30
T-Min(°C)	25	26	26	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	85	89	88	87	89
RH Min (%)	53	55	66	70	69
Wind Speed (Kmph)	9	10	11	12	9
Wind Direction (deg)	68	150	200	212	203

Agromet Advisory

General advisory: *Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.*

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Sugarcane:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

VEGETABLES:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli seedlings** should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits:

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-433
Date- 05/09/2023

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 13mm& district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (+2.7°C from normal)** and **26°C (+1.6°C from normal)** respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today(8.30IST) to 10th September (8.30IST)2023

Weather advisory::Light to moderate rainfall is forecasted in between upcoming 5 days in the block. The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-90% and 54-69% 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall(mm)	12	12	26	10	4
T-Max(°C)	33	32	30	30	29
T-Min(°C)	25	26	26	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	86	90	89	88	89
RH Min (%)	54	56	66	69	69
Wind Speed (Kmph)	9	10	11	11	9
Wind Direction (deg)	71	150	203	208	203

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Maize:**
 - Provide drainage facility. Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.
- **VEGETABLES:** Drain out excess water from the field. Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- **Fruits:** Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for **panama wilt** of Banana disease.

Dr Sujata Sethy
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Bulletin No.-433

Date- 05/09/2023

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 13mm& district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (+2.7°C from normal)** and **26°C (+1.6°C from normal)**, respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today(8.30IST) to 10th September (8.30IST)2023

Weather advisory::Light to moderate rainfall is forecasted in between upcoming 5 days in the block. The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-86% and 57-72% 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall(mm)	13	15	27	14	5
T-Max(°C)	33	32	30	30	29
T-Min(°C)	25	26	26	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	81	86	84	85	85
RH Min (%)	57	59	68	72	72
Wind Speed (Kmph)	10	12	17	20	16
Wind Direction (deg)	120	135	198	207	204

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Maize:**
 - Provide drainage facility. Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.
- **VEGETABLES:** Drain out excess water from the field. Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- **Fruits:** Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for **panama wilt** of Banana disease.

Dr Sujata Sethy
(Nodal officer)



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APP for Lightening alert in your area



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Date- 05/09/2023

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 19mm& district received average 17mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (+2.7°C from normal)** and **26°C (+1.6°C from normal)**, respectively. Mean relative humidity of the district was around 77-78%.

Forecasted period: Today(8.30IST) to 10th September (8.30IST)2023

Weather advisory: Light to moderate with isolated heavy rainfall is forecasted in between upcoming 5 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 89-95% and 62-68% 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	05/09/2023	06/09/2023	07/09/2023	08/09/2023	09/09/2023
Rainfall(mm)	14	16	32	17	7
T-Max(°C)	31	31	30	29	30
T-Min(°C)	24	24	25	25	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	92	95	92	89	89
RH Min (%)	65	62	68	67	65
Wind Speed (Kmph)	9	9	7	7	9
Wind Direction (deg)	71	154	153	180	161

Agro met Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days. They should harvest matured vegetables and fruits before the rainfall activities.

Kharif Rice

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

Weather based Disease and pest of rice

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
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- Maize:**
 - Provide drainage facility. Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall army worm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.
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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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