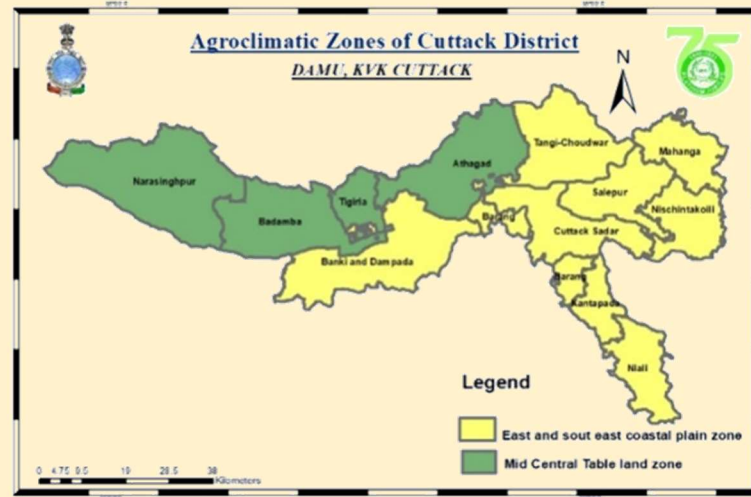




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday, 13th September, 2024
 (For the period 13th to 17th September,
 2024)*



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





STANDARD PRECIPITATION INDEX AND NDVI MAP

| Standard Precipitation Index (SPI) | Normalized difference vegetation Index (NDVI) |
|---|--|
| <p align="center">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p align="center">STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 08 AUGUST TO 04 SEPTEMBER 2024</p> <p align="center">Odisha</p> | <p align="center">NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 35 (26.08.2024 to 01.09.2024) over Agricultural region</p> <p align="center">Odisha</p> <p>Agriculture vigour is moderate at isolated places of the state. NDVI could not be captured over remaining places due dense cloud cover or rainfall.</p> |
| <p><i>As per SPI value (cumulative 4weeks - 08 August to 04 September 2024), mildly dry condition was there in Cuttack district.</i></p> | <p><i>According to NDVI map (26.08.2024 to 01.09.2024) the agriculture vigor was moderate over some isolated places of Narasinghpur, Badamba, Tigiria, Banki, Dampada, Athagad blocks and very light to light over all other blocks of Cuttack district.</i></p> |

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

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



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-529
Date- 13/09/2024

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

| Sl No | Crop | Stage and condition of the crop | Anticipated Disease and pest | |
|-------|-----------|---------------------------------|--|--------------------|
| 1 | Rice | Tillering to panicle initiation |  | Sheath blight |
| | | |  | Blast |
| | | |  | Stem/Foot rot |
| | | |  | Brown plant hopper |
| | | |  | Stem borer |
| | | |  | Gall midge |
| 2 | Sugarcane | 5-6 month old |  | Red rot |
| | | |  | Rust |
| 3 | Maize | Tasseling to silking stage |  | Fall army worm |



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



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Bulletin No.-529
Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 06 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today to Monday and very light to light rainfall is forecasted for other 1day in the block. The day temperature will be 31-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-92% and 56-68% respectively. **There will be partly cloudy to overcastsky for next 5days.**

| Block | Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall (mm) | 15 | 22 | 18 | 12 | 05 |
| T-Max (°C) | 34 | 34 | 31 | 34 | 33 |
| T-Min (°C) | 26 | 25 | 25 | 25 | 25 |
| Cloud Cover (octa) | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 88 | 87 | 92 | 88 | 88 |
| RH Min (%) | 58 | 56 | 65 | 59 | 68 |
| Wind Speed (kmph) | 12 | 13 | 14 | 13 | 7 |
| Wind Direction (deg) | 291 | 289 | 270 | 270 | 216 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

Weather based Disease and pest of rice

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

Fruits:

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



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-529
Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 13 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today to Monday and very light to light rainfall is forecasted for other 1day in the block. The day temperature will be 32-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-91% and 57-64% 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) | | | | |
|----------------------|---|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 14 | 21 | 17 | 11 | 04 |
| T-Max(°C) | 34 | 33 | 32 | 34 | 34 |
| T-Min(°C) | 25 | 25 | 24 | 25 | 25 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 85 | 87 | 91 | 87 | 85 |
| RH Min (%) | 57 | 58 | 64 | 60 | 64 |
| Wind Speed (Kmph) | 12 | 13 | 13 | 13 | 8 |
| Wind Direction (deg) | 291 | 288 | 270 | 270 | 225 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

Weather based Disease and pest of rice

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

Fruits:

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



Dr Ranjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-529

Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR BANKI

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

The district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weatheradvisory:: Moderate rainfall / thundershower is forecasted for today to Sunday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 32-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-91% and 56-64% respectively. **There will be partly cloudy to overcast sky for next 5days.**

| Block | Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 14 | 18 | 15 | 10 | 04 |
| T-Max(°C) | 34 | 34 | 32 | 34 | 34 |
| T-Min(°C) | 26 | 25 | 25 | 25 | 25 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 85 | 86 | 91 | 86 | 86 |
| RH Min (%) | 57 | 56 | 63 | 57 | 64 |
| Wind Speed (Kmph) | 12 | 14 | 14 | 14 | 8 |
| Wind Direction (deg) | 291 | 288 | 270 | 270 | 225 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
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- **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.
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Fruits: Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



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Bulletin No.-529
Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 15 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weather Advisory: Moderate rainfall / thundershower is forecasted for today to Sunday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 32-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-91% and 56-65% respectively. There will be partly cloudy to overcast sky for next 5days.

| Block | Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 14 | 18 | 15 | 10 | 04 |
| T-Max(°C) | 34 | 34 | 32 | 34 | 34 |
| T-Min(°C) | 26 | 25 | 25 | 25 | 25 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 85 | 86 | 91 | 86 | 87 |
| RH Min (%) | 58 | 56 | 63 | 57 | 65 |
| Wind Speed (Kmph) | 12 | 13 | 14 | 13 | 8 |
| Wind Direction (deg) | 288 | 288 | 270 | 270 | 225 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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Weather based Disease and pest of rice

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

Fruits:

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



Dr Ranjan Kumar Mohanta
(Nodal officer)

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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.-529

Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 09 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today to Sunday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 31-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-92% and 54-65% respectively. There will be partly cloudy to overcast sky for next 5days.

| Block | Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 18 | 15 | 12 | 09 | 02 |
| T-Max(°C) | 34 | 33 | 31 | 33 | 33 |
| T-Min(°C) | 26 | 25 | 25 | 26 | 26 |
| Cloud Cover | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 87 | 88 | 92 | 88 | 89 |
| RH Min (%) | 58 | 54 | 64 | 59 | 65 |
| Wind Speed (Kmph) | 13 | 13 | 15 | 13 | 8 |
| Wind Direction (deg) | 283 | 289 | 270 | 257 | 225 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

Weather based Disease and pest of rice

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

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



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-529
Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 12 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today to Sunday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 31-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-92% and 53-67% respectively. There will be partly cloudy to overcast sky for next 5days.

| Block | Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 20 | 16 | 13 | 10 | 03 |
| T-Max(°C) | 34 | 34 | 31 | 33 | 32 |
| T-Min(°C) | 26 | 25 | 25 | 26 | 26 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 88 | 88 | 92 | 89 | 89 |
| RH Min (%) | 58 | 53 | 66 | 61 | 67 |
| Wind Speed (Kmph) | 14 | 14 | 16 | 13 | 8 |
| Wind Direction (deg) | 291 | 289 | 270 | 257 | 238 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

Weather based Disease and pest of rice

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of stem borer and blast disease in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control stem borer and to control blast disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If Brown Plant Hopper (BPH) infestation will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. When the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In Gall midge affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of Foot rot, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

SUGARCANE:

- Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalophos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

VEGETABLES:

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

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



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-529
Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 07 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today to Sunday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 32-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-91% and 57-63% respectively. **There will be partly cloudy to overcast sky for next 5days.**

| Block | Kantapada(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 19 | 15 | 12 | 09 | 02 |
| T-Max(°C) | 34 | 33 | 32 | 34 | 33 |
| T-Min(°C) | 26 | 25 | 25 | 26 | 26 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 88 | 88 | 91 | 87 | 87 |
| RH Min (%) | 58 | 57 | 61 | 60 | 63 |
| Wind Speed (Kmph) | 13 | 13 | 16 | 13 | 9 |
| Wind Direction (deg) | 283 | 283 | 257 | 257 | 225 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

SUGARCANE:

- Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

VEGETABLES:

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

Fruits:

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



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-529
Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 20 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today to Monday and very light to light rainfall is forecasted for other 1 day in the block. The day temperature will be and it will be 30-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-90% and 51-67% 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) | | | | |
|----------------------|---|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 19 | 22 | 18 | 12 | 05 |
| T-Max(°C) | 34 | 34 | 30 | 33 | 31 |
| T-Min(°C) | 26 | 25 | 25 | 26 | 25 |
| Cloud Cover(octal) | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 88 | 87 | 90 | 90 | 90 |
| RH Min (%) | 57 | 51 | 67 | 66 | 67 |
| Wind Speed (Kmph) | 15 | 15 | 19 | 12 | 8 |
| Wind Direction (deg) | 283 | 288 | 270 | 257 | 238 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

SUGARCANE:

- Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

VEGETABLES:

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

Fruits:

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



DrRanjan Kumar Mohanta
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Bulletin No.-529
Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 07 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weatheradvisory:: Moderate rainfall / thundershower is forecasted for today to Monday and very light to light rainfall is forecasted for other 1day in the block. The day temperature will be 31-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-90% and 56-64% respectively. **There will be partly cloudy to overcast sky for next 5days.**

| Block | Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 14 | 21 | 17 | 11 | 04 |
| T-Max(°C) | 34 | 33 | 31 | 34 | 33 |
| T-Min(°C) | 25 | 24 | 24 | 24 | 24 |
| Cloud Cover(/octa) | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 86 | 88 | 90 | 89 | 86 |
| RH Min (%) | 56 | 59 | 64 | 60 | 62 |
| Wind Speed (Kmph) | 10 | 11 | 10 | 10 | 8 |
| Wind Direction (deg) | 291 | 288 | 270 | 270 | 214 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

Weather based Disease and pest of rice

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

Fruits:

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



Dr Ranjan Kumar Mohanta
(Nodal officer)

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



(A Unit of ICAR-National Rice Research Institute)

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Bulletin No.-529

Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 12 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today to Sunday and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 32-35°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-90% and 56-62% 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) | | | | |
|---------------------|---|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 18 | 15 | 12 | 09 | 02 |
| T-Max(°C) | 35 | 32 | 32 | 34 | 33 |
| T-Min(°C) | 26 | 25 | 25 | 26 | 27 |
| Cloud Cover(octa) | 8 | 8 | 8 | 7 | 7 |
| RH Max (%) | 87 | 85 | 90 | 86 | 85 |
| RH Min (%) | 56 | 62 | 59 | 59 | 62 |
| Wind Speed(Kmph) | 13 | 12 | 16 | 14 | 10 |
| Wind Direction(deg) | 283 | 270 | 270 | 252 | 225 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

Weather based Disease and pest of rice

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

SUGARCANE:

- Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

VEGETABLES:

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

Fruits:

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



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-529
Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 12 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today to Sunday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 31-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-91% and 52-67% respectively. **There will be partly cloudy to overcast sky for next 5days.**

| Block | Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 20 | 16 | 14 | 10 | 03 |
| T-Max(°C) | 34 | 34 | 31 | 33 | 31 |
| T-Min(°C) | 26 | 25 | 25 | 26 | 26 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 89 | 88 | 91 | 89 | 89 |
| RH Min (%) | 57 | 52 | 67 | 65 | 66 |
| Wind Speed (Kmph) | 15 | 14 | 19 | 12 | 8 |
| Wind Direction (deg) | 283 | 288 | 270 | 257 | 238 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

Weather based Disease and pest of rice

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

SUGARCANE:

- Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

VEGETABLES:

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

Fruits:

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



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-529
Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 20 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today to Sunday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 31-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-91% and 52-67% respectively. **There will be partly cloudy to overcast sky for next 5days.**

| Block | Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 20 | 16 | 14 | 10 | 03 |
| T-Max(°C) | 34 | 34 | 31 | 33 | 31 |
| T-Min(°C) | 26 | 25 | 25 | 26 | 26 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 89 | 88 | 91 | 89 | 89 |
| RH Min (%) | 57 | 52 | 67 | 64 | 67 |
| Wind Speed (Kmph) | 15 | 14 | 19 | 12 | 8 |
| Wind Direction (deg) | 283 | 288 | 270 | 257 | 238 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

Weather based Disease and pest of rice

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

SUGARCANE:

- Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

VEGETABLES:

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

Fruits:

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



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-529
Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 14 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weather advisory: Moderate rainfall / thundershower is forecasted for today to Monday and very light to light rainfall is forecasted for other 1 day in the block. The day temperature will be 32-35°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-88% and 58-66% 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) | | | | |
|----------------------|--|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 14 | 22 | 18 | 12 | 05 |
| T-Max(°C) | 35 | 33 | 32 | 33 | 32 |
| T-Min(°C) | 28 | 27 | 26 | 27 | 28 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 86 | 85 | 88 | 84 | 83 |
| RH Min (%) | 58 | 64 | 63 | 66 | 66 |
| Wind Speed (Kmph) | 17 | 15 | 22 | 15 | 12 |
| Wind Direction (deg) | 270 | 261 | 270 | 257 | 212 |

Agromet Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

Weather based Disease and pest of rice

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, Cartap hydrochloride 4G @ 10kg/acre or, Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast disease** spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- Due to water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Maize:

- Provide drainage facility. Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate downy mildew disease in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of leaf blight in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.
- **VEGETABLES: Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin + Thiram @ 400g or Metalaxyl 8% + Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli seedlings** should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

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



Dr Ranjan Kumar Mohanta
(Nodal officer)

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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.-529
Date- 13/09/2024

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 06 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.71°C (+0.3 from normal) and 25.28°C (+1.21 from normal), respectively. The mean relative humidity was 83-87%.

Forecasted period: Today(8.30IST) to 18th September (8.30IST)2024

Weatheradvisory: Moderate rainfall / thundershower is forecasted for today to Monday and very light to light rainfall is forecasted for other 1day in the block. The day temperature will be 31-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-92% and 57-68% respectively. **There will be partly cloudy to overcast sky for next 5days.**

| Block | Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| | 13/09/2024 | 14/09/2024 | 15/09/2024 | 16/09/2024 | 17/09/2024 |
| Rainfall(mm) | 14 | 22 | 18 | 12 | 05 |
| T-Max(°C) | 34 | 34 | 31 | 34 | 33 |
| T-Min(°C) | 26 | 25 | 25 | 25 | 25 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 7 |
| RH Max (%) | 87 | 87 | 92 | 88 | 88 |
| RH Min (%) | 59 | 57 | 65 | 61 | 68 |
| Wind Speed (Kmph) | 12 | 13 | 13 | 13 | 8 |
| Wind Direction (deg) | 291 | 288 | 270 | 270 | 225 |

Agro met Advisory

General advisory: Drain out excess rain water from crop fields as there was moderate rainfall recorded in past week. They should slightly pause all type of farm operational activities from today to Monday based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

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

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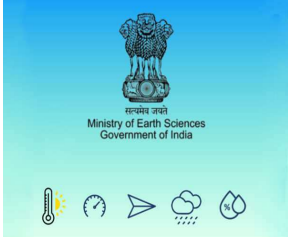
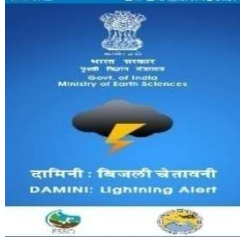


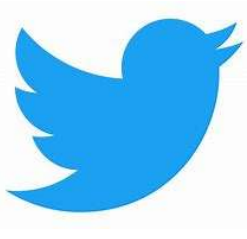






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Bulletin No.-529
Date- 13/09/2024

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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).

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



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