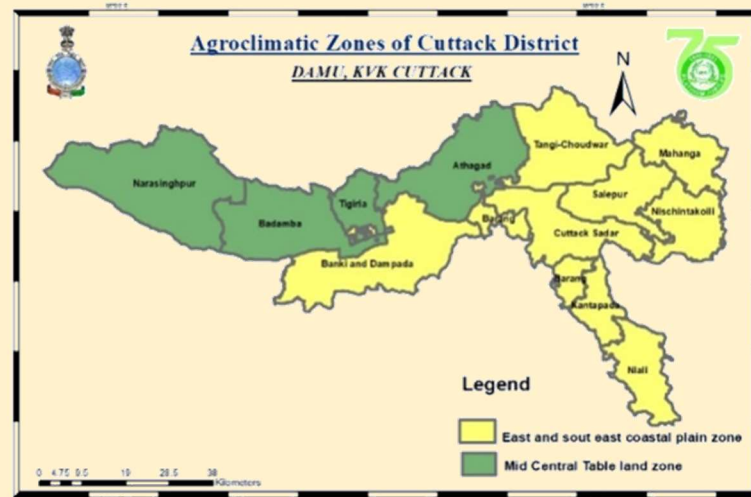




# *Cuttack District Block Wise Agro-met Advisory Service Bulletin*

*Tuesday, 06<sup>th</sup> August, 2024  
 (For the period 06<sup>th</sup> to 10<sup>th</sup> August,  
 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>NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 24 (22.07.2024 to 28.07.2024) over Agricultural region</p> <p align="center"><b>Odisha</b></p> <p>Agriculture vigour is moderate at isolated places of the state. NDVI could not be captured due dense cloud cover or rainfall.</p> |
| <p><b>As per SPI value (cumulative 4weeks -04 to 31 July 2024), mildly wet condition was there in Cuttack district.</b></p> | <p><b>According to NDVI map (22.07.2024 to 28.07.2024) the agriculture vigor was very light to light over maximum blocks of Cuttack district.</b></p>  |

| <b>LEGEND (Medium range block level rainfall forecast)</b> |           |  |
|--|-----------|--|
| 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   |  |

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





**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.-518  
Date- 06/08/2024

| Met Sub division | Extended range outlook for subsequent 1 week (6 <sup>th</sup> to 12 <sup>th</sup> days)<br>(11-17 August 2024) after 5 days |        |        |               |          |
|------------------|---|--------|--------|---------------|----------|
|                  | Parameter   | Actual | Normal | Departure (%) | Category |
| Odisha           | Rainfall (mm)   | 10.1   | 11.2   | -9.73         | Normal   |
|                  | Parameter   | Actual | Normal | Anomaly       | Category |
|                  | Maximum temperature (°C)  | 31.5   | 30.9   | 0.67          | Normal   |
|                  | Minimum temperature (°C)  | 24.9   | 24.3   | 0.62          | Normal   |

**\*Agromet Advisory based upon subsequent week extended range forecast:-As there will be above normal rainfall in the subsequent week (11-17 August,2024) after 5 days in Odisha condition, so farmers are advised to go for transplanting and beushaning of early sown kharif paddy in the subsequent week and are advised to make proper drainage facilities in nursery area of paddy and vegetables to drain out excess water from the field. Farmers should pause sowing activity in the subsequent week. They should monitor paddy field for seedling blight, Blast and Sheath blight diseases.**















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**Bulletin No.-518**  
**Date- 06/08/2024**

**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                    | Transplanting to vegetative     |    | Sheath blight         |
|       |                         |                                 |    | Bacterial leaf blight |
|       |                         |                                 |    | Seedling blight       |
|       |                         |                                 |   | Swarming caterpillar  |
|       |                         |                                 |  | Leaf folder           |
| 2     | Sugarcane               | Vegetative to Tillering         |  | Weeds                 |
| 3     | Maize                   | 3-5 week stage                  |  | Stem fly              |
|       |                         |                                 |  | Leaf blight           |
|       |                         |                                 |  | Red hairy caterpillar |
| 4     | Brinjal, tomoto, chilli | seedling                        |  | Seedling rot          |

**DrRanjan Kumar Mohanta**  
 (Nodal officer)



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



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












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(A Unit of ICAR-National Rice Research Institute)

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|    |                    |         |  |                       |
|----|--------------------|---------|--|-----------------------|
|    |                    |         |    | Stem rot              |
| 5  | Tomato and brinjal | Fruting |    | Bacterial wilt        |
| 6  | chilli             | fruting |    | Leaf curl             |
| 7  | okra               | Fruting |    | Fruit and shoot borer |
|    |                    |         |    | White fly             |
|    |                    |         |   | Jassid                |
| 8  | Pointed gourd      |         |  | Fruit rot             |
| 9  | Banana             |         |  | Sigatoka              |
| 10 | Papaya             |         |  | Yellow mosaic virus   |





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Bulletin No.-518

Date- 06/08/2024

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

The block received average 12mm and district received average 10 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively. The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup>August(8.30IST)2024**

**Weather advisory: Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.** The day temperature will be 31-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-87% and 52-57% respectively. **There will be partly cloudy to overcastsky for next 5days.**

| Block                | Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
|                      | 06/08/2024  | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall (mm)        | 32  | 16         | 10         | 9          | 5          |
| T-Max (°C)           | 31  | 34         | 33         | 33         | 33         |
| T-Min (°C)           | 25  | 26         | 26         | 26         | 26         |
| Cloud Cover (octa)   | 8   | 8          | 8          | 8          | 8          |
| RH Max (%)           | 86  | 86         | 87         | 83         | 87         |
| RH Min (%)           | 57  | 56         | 57         | 52         | 54         |
| Wind Speed (kmph)    | 8   | 10         | 11         | 11         | 10         |
| Wind Direction (deg) | 249   | 210        | 225        | 270        | 285        |

**Agromet Advisory**

**General advisory: Famers should resume fertliser and pesticide application in upcoming days and shoud drainout excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as moderate to heavy amount of was realized in the block in last few days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infesatation manily sheath blight , blight, foot rot and swarming caterpillar, leaf folder in rice.**

**Kharif Rice:**

In direct seeded rice go for beushaning and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- **Chances of seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- **In early transplanted/direct sown crop, chance for leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- **If swarming caterpillar** found after the rain water receds, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- **If sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Maize:**

After 3-4weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurance of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurance of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlropyriphos 2ml/ltr water,

**VEGETABLES:**

- Due to past 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. Whenever **sucking pets** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
  - The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
  - To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
  - Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).





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



**Bulletin No.-518**  
**Date- 06/08/2024**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received average 03mm and district received average 10 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively. The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weather advisory:** Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 31-33°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-87% and 53-60% 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) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
|                      | 06/08/2024  | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)         | 31  | 15         | 9          | 8          | 5          |
| T-Max(°C)            | 31  | 33         | 32         | 33         | 33         |
| T-Min(°C)            | 24  | 25         | 25         | 26         | 25         |
| Cloud Cover(octa)    | 8   | 8          | 8          | 8          | 8          |
| RH Max (%)           | 85  | 87         | 87         | 84         | 87         |
| RH Min (%)           | 59  | 56         | 60         | 53         | 56         |
| Wind Speed (Kmph)    | 8   | 8          | 9          | 10         | 9          |
| Wind Direction (deg) | 252   | 236        | 236        | 270        | 270        |

**Agromet Advisory**

**General advisory:** Farmers should resume fertilizer and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain was realized in the block in last few days. As humidity will likely be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

**Kharif Rice:**

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Maize:**

After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlopyrifos 2ml/ltr water,

**VEGETABLES:**

Due to past 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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
  - The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
  - To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).





**AGROMET ADVISORY BULLETIN FOR BANKI**

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

**The district received average 10 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively. The mean relative humidity was 92-94%.**

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weather advisory: Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.** The day temperature will be 31-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-86% and 51-58% 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) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
|                      | 06/08/2024                                      | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)         | 32  | 16         | 10         | 9          | 5          |
| T-Max(°C)            | 31  | 33         | 32         | 33         | 33         |
| T-Min(°C)            | 25  | 26         | 26         | 26         | 26         |
| Cloud Cover(octa)    | 8   | 8          | 8          | 8          | 8          |
| RH Max (%)           | 84  | 86         | 84         | 83         | 85         |
| RH Min (%)           | 55  | 54         | 58         | 51         | 55         |
| Wind Speed (Kmph)    | 8   | 10         | 11         | 11         | 10         |
| Wind Direction (deg) | 249   | 236        | 236        | 270        | 270        |

**Agromet Advisory**

**General advisory: Farmers should resume fertiliser and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of was realized in the block in last few days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.**

**Kharif Rice:**

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
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**Maize:**

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**VEGETABLES:**

Due to past 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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(A Unit of ICAR-National Rice Research Institute)  
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



**Bulletin No.-518**  
**Date- 06/08/2024**

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA**

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

The block received average 04mm and district received average 10 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively. The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weather Advisory:** Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 31-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-86% and 51-58% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block                | Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
|                      | 06/08/2024  | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)         | 32  | 16         | 10         | 9          | 5          |
| T-Max(°C)            | 31  | 33         | 32         | 33         | 33         |
| T-Min(°C)            | 25  | 26         | 26         | 26         | 26         |
| Cloud Cover(octa)    | 8   | 8          | 8          | 8          | 8          |
| RH Max (%)           | 84  | 86         | 85         | 83         | 85         |
| RH Min (%)           | 56  | 54         | 58         | 51         | 55         |
| Wind Speed (Kmph)    | 8   | 10         | 11         | 11         | 10         |
| Wind Direction (deg) | 249   | 236        | 236        | 270        | 270        |

**Agromet Advisory**

**General advisory:** Farmers should resume fertiliser and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of was realized in the block in last few days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

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**Weather based Disease and pest**

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of seedling blight infestation in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for leaf folder infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If swarming caterpillar found after the rain water recedes, apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- If sheath blight will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Maize:**

After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of leaf blight in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of red hairy caterpillar in maize, then go for spraying of neem oil 5ml/ltr or chlorpyrifos 2ml/ltr water,

**VEGETABLES:**

Due to past 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. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
  - The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
  - To control fruit and shoot borer in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate fruit rot in pointed gourd, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).





**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.-518**  
**Date- 06/08/2024**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received average 06mm and district received average 10 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively.** The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weather advisory:** *Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.* The day temperature will be 31-33°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-83% and 50-57% 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                 | 06/08/2024  | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)         | 26  | 12         | 7          | 6          | 3          |
| T-Max(°C)            | 31  | 33         | 33         | 33         | 33         |
| T-Min(°C)            | 26  | 27         | 27         | 27         | 26         |
| Cloud Cover          | 8   | 8          | 8          | 8          | 8          |
| RH Max (%)           | 83  | 82         | 82         | 78         | 83         |
| RH Min (%)           | 57  | 52         | 54         | 50         | 52         |
| Wind Speed (Kmph)    | 10  | 12         | 13         | 13         | 11         |
| Wind Direction (deg) | 249   | 216        | 210        | 270        | 285        |

**Agromet Advisory**

**General advisory:** *Famers should resume fertiliser and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as moderate to heavy amount of was realized in the block in last few days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight , blight, foot rot and swarming caterpillar, leaf folder in rice.*

**Kharif Rice:**

In direct seeded rice go for beushaning and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Maize:**

After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlopyrifos 2ml/ltr water,

**VEGETABLES:**

Due to past 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. Whenever **sucking pets** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.

Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).





**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.-518**  
**Date- 06/08/2024**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received average 12mm and district received average 10 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively. The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weather advisory:** Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 31-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-85% and 49-56% 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) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
|                      | 06/08/2024  | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)         | 26  | 12         | 8          | 7          | 4          |
| T-Max(°C)            | 31  | 34         | 33         | 33         | 33         |
| T-Min(°C)            | 26  | 27         | 27         | 27         | 27         |
| Cloud Cover(octa)    | 8   | 8          | 8          | 8          | 8          |
| RH Max (%)           | 85  | 84         | 84         | 79         | 85         |
| RH Min (%)           | 56  | 54         | 53         | 49         | 52         |
| Wind Speed (Kmph)    | 10  | 11         | 13         | 13         | 11         |
| Wind Direction (deg) | 249   | 210        | 210        | 270        | 279        |

**Agromet Advisory**

**General advisory:** Farmers should resume fertiliser and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as moderate to heavy amount of was realized in the block in last few days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

**Kharif Rice:**

In direct seeded rice go for beushaning and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of seedling blight infestation in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for leaf folder infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If swarming caterpillar found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- If sheath blight will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Sugarcane:**

As maximum sugarcane is seedling to tillering stage then go for irrigation in 7-12 days interval based upon forecast of rain. Weeding and earthing up should be done in this time after that Top dressing of Urea @ 30 kg/acre for 30-60 days old sugarcane plant. To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @ 0.8-2kg/acre of moist field.

**VEGETABLES:**

Due to past 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. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for Upward and downward leafcurl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control fruit and shoot borer in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam @ 0.4g/ litre of water.

Present weather may aggravate fruit rot in pointed gourd, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).





**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.-518**  
**Date- 06/08/2024**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received average 06mm and district received average 10 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively. The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.** The day temperature will be 31-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-81% and 49-58% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

| Block                | Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
|                      | 06/08/2024  | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)         | 27  | 13         | 8          | 6          | 3          |
| T-Max(°C)            | 31  | 34         | 33         | 32         | 33         |
| T-Min(°C)            | 26  | 27         | 27         | 27         | 27         |
| Cloud Cover(octa)    | 8   | 8          | 8          | 8          | 8          |
| RH Max (%)           | 81  | 80         | 81         | 76         | 81         |
| RH Min (%)           | 58  | 49         | 53         | 52         | 50         |
| Wind Speed (Kmph)    | 12  | 13         | 14         | 14         | 12         |
| Wind Direction (deg) | 249   | 216        | 216        | 225        | 225        |

**Agromet Advisory**

**General advisory: Farmers should resume fertiliser and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of was realized in the block in last few days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.**

**Kharif Rice:**

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Sugarcane:**

As maximum sugarcane is seedling to tillering stage then go for irrigation in 7-12 days interval based upon forecast of rain. Weeding and earthing up should be done in this time after that Top dressing of Urea @30 kg/acre for 30-60 days old sugarcane plant. To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @0.8-2kg/acre of moist field.

**VEGETABLES:**

Due to past 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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
  - The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
  - To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).





**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.-518**  
**Date- 06/08/2024**

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received average 23mm and district received average 10 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively. The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.** The day temperature will be and it will be 31-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-84% and 51-56% respectively. **There will be partly cloudy to overcast sky for next 5days.**

| Block                | Mahanga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
|                      | 06/08/2024                                       | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)         | 26   | 13         | 8          | 7          | 4          |
| T-Max(°C)            | 31   | 34         | 33         | 33         | 33         |
| T-Min(°C)            | 26   | 27         | 26         | 27         | 26         |
| Cloud Cover(octal)   | 8  | 8          | 8          | 8          | 8          |
| RH Max (%)           | 84   | 84         | 84         | 78         | 84         |
| RH Min (%)           | 56   | 53         | 53         | 51         | 52         |
| Wind Speed (Kmph)    | 13   | 13         | 14         | 14         | 12         |
| Wind Direction (deg) | 248  | 216        | 225        | 225        | 248        |

**Agromet Advisory**

**General advisory: Farmers should resume fertiliser and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as moderate to heavy amount of was realized in the block in last few days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation manily sheath blight , blight, foot rot and swarming caterpillar, leaf folder in rice.**

**Kharif Rice:**

In direct seeded rice go for beushaning and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Sugarcane:**

As maximum sugarcane is seedling to tillering stage then go for irrigation in 7-12 days interval based upon forecast of rain. Weeding and earthing up should be done in this time after that Top dressing of Urea @30 kg/acre for 30-60 days old sugarcane plant. To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @0.8-2kg/acre of moist field.

**VEGETABLES:**

Due to past 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. Whenever **sucking pets** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
  - The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
  - To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).





**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.-518**  
**Date- 06/08/2024**

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received average 04mm and district received average 10 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively.** The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weatheradvisory:: Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.** The day temperature will be 30-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-90% and 54-63% respectively. **There will be partly cloudy to overcast sky for next 5days.**

| Block                | Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
|                      | 06/08/2024   | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)         | 32   | 16         | 10         | 9          | 5          |
| T-Max(°C)            | 30   | 33         | 32         | 33         | 33         |
| T-Min(°C)            | 24   | 24         | 24         | 25         | 25         |
| Cloud Cover(/octa)   | 8  | 8          | 8          | 8          | 8          |
| RH Max (%)           | 88   | 90         | 90         | 84         | 90         |
| RH Min (%)           | 63   | 57         | 59         | 54         | 57         |
| Wind Speed (Kmph)    | 7  | 6          | 7          | 8          | 7          |
| Wind Direction (deg) | 252  | 244        | 244        | 270        | 248        |

**Agromet Advisory**

**General advisory:** *Famers should resume fertiliser and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as moderate to heavy amount of was realized in the block in last few days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight , blight, foot rot and swarming caterpillar, leaf folder in rice.*

**Kharif Rice:**

In direct seeded rice go for beushaning and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Maize:**

After 3-4weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @1 ml/lt or Dimethoate @ 2ml/lt or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlopyrifos 2ml/ltr water,

**VEGETABLES:**

Due to past 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. Whenever **sucking pets** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.

Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).





**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.-518**  
**Date- 06/08/2024**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received average 08mm and district received average 10 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively.** The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.** The day temperature will be 31-33°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-80% and 48-56% respectively. **There will be partly cloudy to overcast sky for next 5days.**

| Block               | Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|---------------------|---|------------|------------|------------|------------|
|                     | 06/08/2024                                      | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)        | 27  | 14         | 9          | 7          | 5          |
| T-Max(°C)           | 31  | 33         | 33         | 32         | 33         |
| T-Min(°C)           | 26  | 27         | 27         | 27         | 27         |
| Cloud Cover(octa)   | 8   | 8          | 8          | 8          | 8          |
| RH Max (%)          | 78  | 77         | 80         | 75         | 79         |
| RH Min (%)          | 56  | 48         | 51         | 54         | 50         |
| Wind Speed(Kmph)    | 14  | 15         | 16         | 15         | 12         |
| Wind Direction(deg) | 248   | 225        | 225        | 236        | 248        |

**Agromet Advisory**

**General advisory: Famers should resume fertiliser and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as moderate to heavy amount of was realized in the block in last few days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation manily sheath blight , blight, foot rot and swarming caterpillar, leaf folder in rice.**

**Kharif Rice:**

In direct seeded rice go for beushaning and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water receds, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Sugarcane:**

As maximum sugarcane is seedling to tillering stage then go for irrigation in 7-12 days interval based upon forecast of rain. Weeding and earthing up should be done in this time after that Top dressing of Urea @30 kg/acre for 30-60 days old sugarcane plant. To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @0.8-2kg/acre of moist field.

**VEGETABLES:**

Due to past 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. Whenever **sucking pets** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @0.4g/ litre of water.

Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).

**DrRanjan Kumar Mohanta**  
(Nodal officer)



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



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



**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.-518**  
**Date- 06/08/2024**

**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

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

The block received average 19mm and district received average 10 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively. The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.** The day temperature will be 31-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-84% and 51-56% 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) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
|                      | 06/08/2024   | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)         | 28   | 14         | 8          | 7          | 4          |
| T-Max(°C)            | 31   | 34         | 33         | 33         | 33         |
| T-Min(°C)            | 26   | 27         | 27         | 27         | 26         |
| Cloud Cover(octa)    | 8  | 8          | 8          | 8          | 8          |
| RH Max (%)           | 84   | 82         | 83         | 78         | 84         |
| RH Min (%)           | 56   | 52         | 53         | 52         | 51         |
| Wind Speed (Kmph)    | 12   | 13         | 14         | 14         | 12         |
| Wind Direction (deg) | 248  | 216        | 225        | 225        | 259        |

**Agromet Advisory**

**General advisory: Farmers should resume fertiliser and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as moderate to heavy amount of was realized in the block in last few days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.**

**Kharif Rice:**

In direct seeded rice go for beushaning and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Sugarcane:**

As maximum sugarcane is seedling to tillering stage then go for irrigation in 7-12 days interval based upon forecast of rain. Weeding and earthing up should be done in this time after that Top dressing of Urea @30 kg/acre for 30-60 days old sugarcane plant. To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @0.8-2kg/acre of moist field.

**VEGETABLES:**

Due to past 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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
  - The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
  - To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).







**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.-518**  
**Date- 06/08/2024**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 16mm and district received average 10 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively. The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.** The day temperature will be 31-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-84% and 50-56% respectively. **There will be partly cloudy to overcast sky for next 5days.**

| Block                | Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
|                      | 06/08/2024  | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)         | 28  | 14         | 8          | 7          | 4          |
| T-Max(°C)            | 31  | 34         | 33         | 33         | 33         |
| T-Min(°C)            | 26  | 27         | 27         | 27         | 26         |
| Cloud Cover(octa)    | 8   | 8          | 8          | 8          | 8          |
| RH Max (%)           | 84  | 83         | 83         | 77         | 84         |
| RH Min (%)           | 56  | 53         | 52         | 50         | 51         |
| Wind Speed (Kmph)    | 12  | 13         | 14         | 14         | 12         |
| Wind Direction (deg) | 248   | 216        | 216        | 225        | 259        |

**Agromet Advisory**

**General advisory: Farmers should resume fertiliser and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of was realized in the block in last few days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.**

**Kharif Rice:**

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Maize:**

After 3-4weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlopyrifos 2ml/ltr water,

**VEGETABLES:**

Due to past 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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
  - The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
  - To control **fruit and shoot borer** in okra, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).

**DrRanjan Kumar Mohanta**  
(Nodal officer)



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



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



**Bulletin No.-518**  
**Date- 06/08/2024**

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received average 19mm and district received average 10 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively. The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weather advisory: Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.** The day temperature will be 34-36°C and night temperature will be 29°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-80% and 52-57% 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) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
|                      | 06/08/2024   | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)         | 31   | 14         | 9          | 8          | 4          |
| T-Max(°C)            | 34   | 36         | 35         | 34         | 35         |
| T-Min(°C)            | 29   | 29         | 29         | 29         | 29         |
| Cloud Cover(octa)    | 8  | 8          | 8          | 8          | 8          |
| RH Max (%)           | 77   | 80         | 80         | 78         | 79         |
| RH Min (%)           | 57   | 52         | 54         | 56         | 53         |
| Wind Speed (Kmph)    | 17   | 18         | 19         | 17         | 14         |
| Wind Direction (deg) | 246  | 212        | 225        | 216        | 238        |

**Agromet Advisory**

**General advisory: Farmers should resume fertiliser and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain was realized in the block in last few days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.**

**Kharif Rice:**

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Maize:**

After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlorpyrifos 2ml/ltr water,

**VEGETABLES:**

- Due to past 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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
  - The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
  - To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).

**DrRanjan Kumar Mohanta**  
(Nodal officer)



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



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



**Bulletin No.-518**  
**Date- 06/08/2024**

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received average 04mm and district received average 10 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.42°C (-0.66 from normal) and 24.42°C (+0.2 from normal), respectively. The mean relative humidity was 92-94%.

**Forecasted period: Today(8.30IST) to 11<sup>th</sup> August(8.30IST)2024**

**Weather advisory:** Moderate with isolated heavy rainfall is forecasted in between today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 31-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-87% and 52-59% 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) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
|                      | 06/08/2024  | 07/08/2024 | 08/08/2024 | 09/08/2024 | 10/08/2024 |
| Rainfall(mm)         | 31  | 17         | 10         | 9          | 5          |
| T-Max(°C)            | 31  | 33         | 32         | 33         | 33         |
| T-Min(°C)            | 25  | 26         | 26         | 26         | 26         |
| Cloud Cover(octa)    | 8   | 8          | 8          | 8          | 8          |
| RH Max (%)           | 86  | 87         | 87         | 84         | 87         |
| RH Min (%)           | 57  | 56         | 59         | 52         | 56         |
| Wind Speed (Kmph)    | 7   | 9          | 10         | 10         | 9          |
| Wind Direction (deg) | 252   | 236        | 225        | 270        | 270        |

**Agro met Advisory**

**General advisory:** Farmers should resume fertiliser and pesticide application in upcoming days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain was realized in the block in last few days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

**Kharif Rice:**

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

**Weather based Disease and pest**

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

**Maize:**

After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chloropyrifos 2ml/ltr water,

**VEGETABLES:**

Due to past 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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
  - The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
  - To control **fruit and shoot borer** in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
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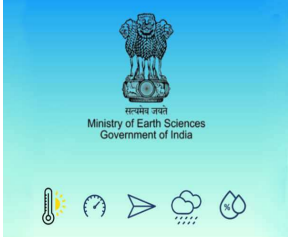

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- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.  
<https://play.google.com/store/apps/details?id=com.aas.meghdoot>
- Kindly install and use **“Damini mobile App”** for location specific for lightening forecast and warnings.  
<https://play.google.com/store/apps/details?id=com.lightening.live.damini>
- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

|   |                               |   |   |
|---|-------------------------------|---|---|
| 1 | ICAR-NRRI, Cuttack,<br>Odisha | <a href="https://icar-nrri.in/agromate/">https://icar-nrri.in/agromate/</a>                                   |  |
| 2 | Agrimet division, IMD, Pune   | <a href="https://imdagrmet.gov.in/imdproject/AGIndex.php">https://imdagrmet.gov.in/imdproject/AGIndex.php</a> |  |



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