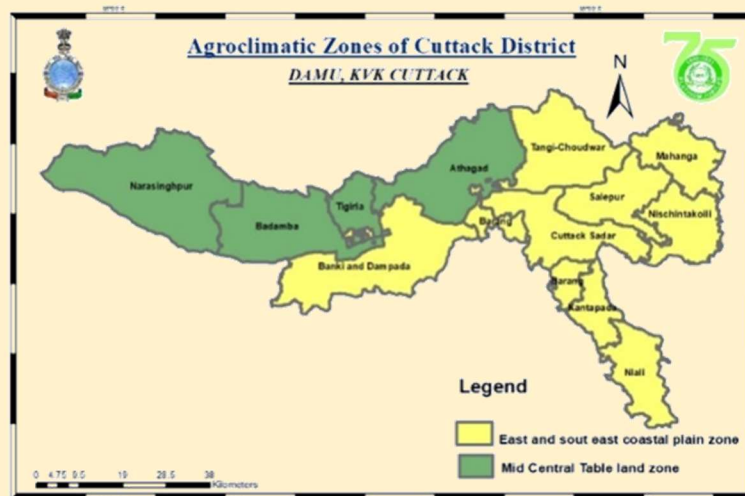




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday, 28th July, 2023
(For the period 28th July to 01st August,
2023)*



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





GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
 (A Unit of ICAR-National Rice Research Institute)
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Bulletin No.-421
Date- 28/07/2023

STANDARD PRECIPITATION INDEX AND NDVI MAP

| Standard Precipitation Index (SPI) | Normalized difference vegetation Index (NDVI) |
|--|--|
| <p align="center">Standardised Precipitation Index for the period 22nd June to 19th July 2023</p> <p align="center">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> | <p align="center">NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 29 (16.07.2023 to 22.07.2023) over Agricultural region</p> <p align="center">Odisha</p> <p align="center">Agriculture vigour is moderate over few places of the state.</p> |
| <p>As per SPI value (cumulative 4weeks -22 June to 19 July 2023), Mildlydry condition was there in Cuttack district.</p> | <p>According to NDVI map (16.07.2023 to 22.07.2023) the agriculture vigor was moderate over isolated places of Narsinghpur, Badambablocks of Cuttack district and very light over most places of other blocks.</p> |

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

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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
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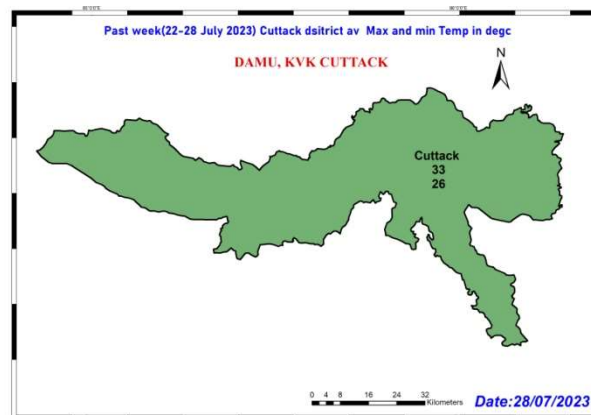
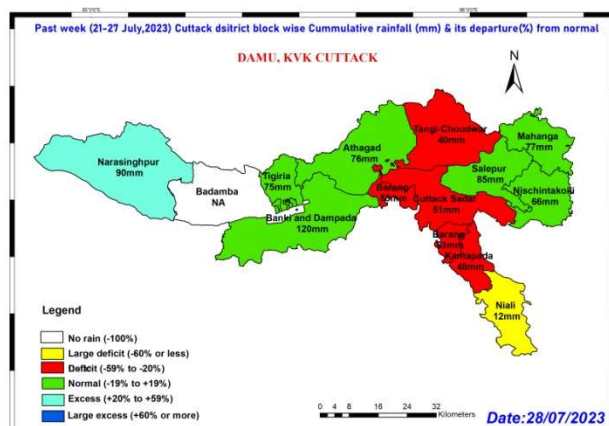
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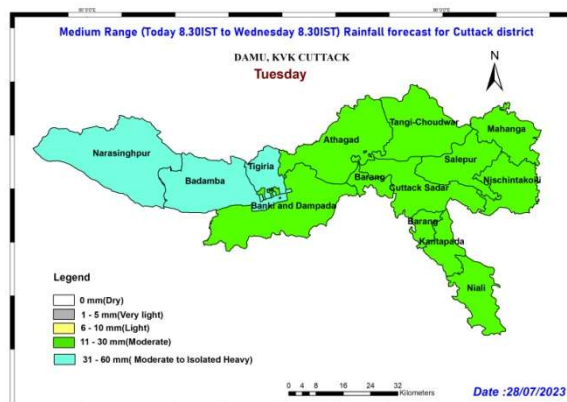
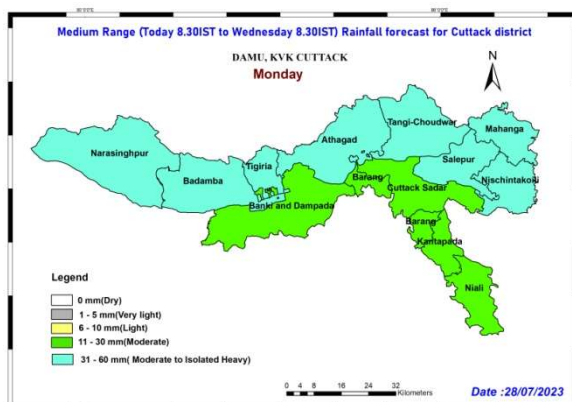
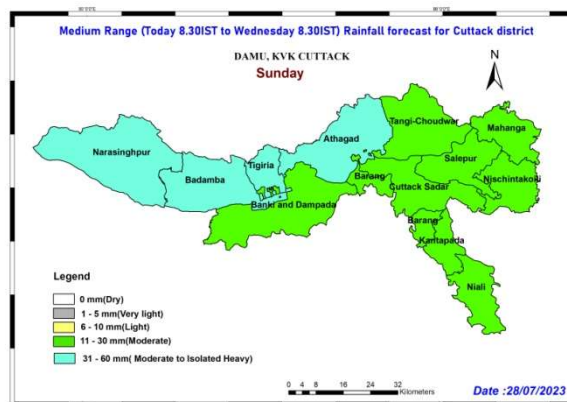
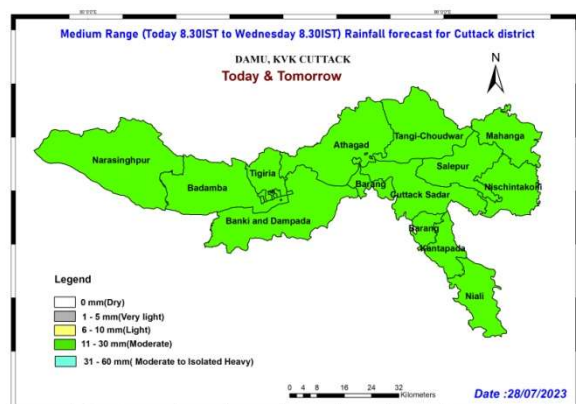
Bulletin No.-421

Date- 28/07/2023

Past week (21-27 July, 2023) cumulative rainfall departure% from normal and (22-28 July) average maximum and minimum temperature for Cuttack district



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



Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-421
 Date- 28/07/2023

| Met Sub division | Extended range outlook for subsequent 1 week (6 th to 12 th days) (02-08 August2023) after 5 days | | | | |
|------------------|--|---------------|---------------|----------------------|---------------------|
| Odisha | <i>Parameter</i> | <i>Actual</i> | <i>Normal</i> | <i>Departure (%)</i> | <i>Category</i> |
| | Rainfall (mm) | 7.76 | 10.85 | -28.48 | Below Normal |
| | <i>Parameter</i> | <i>Actual</i> | <i>Normal</i> | <i>Anomaly</i> | <i>Category</i> |
| | Maximum temperature (°C) | 30.86 | 30.87 | -0.01 | Normal |
| | Minimum temperature (°C) | 24.65 | 24.24 | 0.41 | Normal |

*Agromet Advisory based upon subsequent week extended range forecast:- As there will be **below normal rainfall in the subsequent week (02-08 August,2023) after 5 days in Odisha condition**, so farmers are advised to complete transplanting and beushaning of kharif paddy in upcoming 5 days before the subsequent week and are advised to strengthen the field bund to store rain water for future purpose. Farmers should complete sowing activity before the subsequent week. They should monitor paddy field for seedling blight, Blast, Sheath blight diseases in rice, rot/wilt diseases, sucking pests in vegetables. In heavy weed infested areas, in the subsequent week, spray Bispyribac sodium 10% SC @ 120 ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage).



Dr Sujata Sethy
 (Nodal officer)



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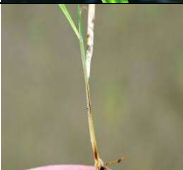








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Bulletin No.-421

Date- 28/07/2023

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

| Sl No | Crop | Stage and condition of the crop | Anticipated Disease and pest | |
|-------|-----------|---------------------------------|--|------------------|
| 1 | Rice | Nursery stage |  | Blast |
| | | |  | Seedling blight |
| | | |  | Sheath blight |
| 2 | Sugarcane | Vegetative to Tillering |  | Early shot borer |
| | | |  | Top borer |
| | | |  | Smut |
| | | |  | Inter node borer |
| 3 | Maize | 5 week stage |  | Stem fly |
| | | |  | Leaf blight |
| 3 | Jute | 30-50days |  | Stem rot |

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| | | | | |
|---|----------------------------|----------|--|----------------------------------|
| | | |  | Indigo caterpillar |
| 4 | Brinjal, tomato, chilli | seedling |  | Seedling rot |
| | | |  | Stem rot |
| 5 | Tomato and brinjal | Fruting |  | Bacterial wilt |
| 6 | chilli | fruting |  | thrips |
| | | |  | Leaf curl |
| 7 | okra | Fruting |  | Fruit and shoot borer |
| | | |  | White fly |
| | | |  | Jassid |
| 8 | Banana | |  | Sigatoka |
| 9 | Papaya | |  | Yellow mosaic virus |

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AGROMET ADVISORY BULLETIN FOR ATHAGAD



Bulletin No.-421

Date- 28/07/2023

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

The block received average 11mm & district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.1°C(+1°C from normal) and 26.2°C(+2°C from normal), respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather advisory: *Moderate with isolated heavy rainfall is forecasted in between upcoming 5 days in the block.* The day temperature will be 34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-84% and 49-54% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall (mm) | 18 | 15 | 38 | 50 | 30 |
| T-Max (°C) | 34 | 34 | 34 | 34 | 34 |
| T-Min (°C) | 27 | 27 | 26 | 26 | 26 |
| Cloud Cover (octa) | 8 | 8 | 8 | 8 | 8 |
| RH Max (%) | 83 | 79 | 84 | 82 | 83 |
| RH Min (%) | 54 | 53 | 53 | 49 | 50 |
| Wind Speed (kmph) | 9 | 15 | 17 | 15 | 12 |
| Wind Direction (deg) | 208 | 294 | 294 | 288 | 252 |

Agromet Advisory

General advisory: *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

Kharifrice:(DIRECT SEEDED RICE):

Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. To control weeds in direct seeded rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage) or tank mix of 260g of Fenoxaprop-ethyl (Rice star) + 50 g of Ethoxysulfuron (Sunrise) per acre at 15-20 DAS in moist soil.

TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.

Maize:

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/lit or Dimethoate @ 2ml/lit 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 300 g /ac.

VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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. 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.
- Incidence of **thrips** may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon 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.

Fruits:

Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-421
Date- 28/07/2023

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AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.1°C(+1°C from normal)** and **26.2°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather advisory: *Moderate with isolated heavy rainfall is forecasted in between upcoming 5 days in the block.* The day temperature will be **33-34°C** and night temperature will be **25-26°C** for upcoming 5 days. Maximum and minimum relative humidity will be 79-85% and 51-57% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

| Block | Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall(mm) | 20 | 17 | 43 | 54 | 36 |
| T-Max(°C) | 33 | 33 | 33 | 34 | 33 |
| T-Min(°C) | 26 | 26 | 25 | 25 | 25 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 8 |
| RH Max (%) | 84 | 79 | 85 | 84 | 83 |
| RH Min (%) | 57 | 55 | 54 | 51 | 52 |
| Wind Speed (Kmph) | 8 | 16 | 17 | 14 | 11 |
| Wind Direction (deg) | 248 | 291 | 293 | 288 | 252 |

Agromet Advisory

General advisory: *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

Kharifrice:(DIRECT SEEDED RICE):

Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for weeding. **To control weeds in direct seeded rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage) or tank mix of 260g of Fenoxaprop-ethyl (Rice star) + 50 g of Ethoxysulfuron (Sunrise) per acre at 15-20 DAS in moist soil.**

TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.

Maize:

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/lit or Dimethoate @ 2ml/lit 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 300 g /ac.

VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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. 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.**
- Incidence of **thrips** may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon 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.

Fruits:

Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-421
Date- 28/07/2023

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.1°C(+1°C from normal)** and **26.2°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather advisory: *Moderate rainfall is forecasted for upcoming 5 days in the block.* The day temperature will be **33-34°C** and night temperature will be **26-27°C** for upcoming 5 days. Maximum and minimum relative humidity will be 76-82% and 48-53% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall(mm) | 15 | 14 | 27 | 30 | 30 |
| T-Max(°C) | 33 | 34 | 34 | 34 | 34 |
| T-Min(°C) | 27 | 27 | 26 | 26 | 26 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 8 |
| RH Max (%) | 81 | 76 | 82 | 81 | 80 |
| RH Min (%) | 53 | 52 | 52 | 48 | 48 |
| Wind Speed (Kmph) | 9 | 16 | 18 | 15 | 12 |
| Wind Direction (deg) | 216 | 293 | 293 | 288 | 252 |

Agromet Advisory

General advisory: *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

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TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.

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VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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:

Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-421

Date- 28/07/2023

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 17mm & district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.1°C(+1°C from normal)** and **26.2°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather Advisory: *Moderate rainfall is forecasted for upcoming 5 days in the block.* The day temperature will be 34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-82% and 48-54% respectively.

There will be partly cloudy to overcast sky for next 5days.

| Block | Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall(mm) | 14 | 12 | 28 | 30 | 28 |
| T-Max(°C) | 34 | 34 | 34 | 34 | 34 |
| T-Min(°C) | 27 | 27 | 26 | 26 | 26 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 8 |
| RH Max (%) | 81 | 76 | 82 | 81 | 80 |
| RH Min (%) | 54 | 52 | 52 | 48 | 48 |
| Wind Speed (Kmph) | 9 | 16 | 18 | 15 | 12 |
| Wind Direction (deg) | 216 | 293 | 293 | 288 | 252 |

Agromet Advisory

General advisory: *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

Kharifrice:(DIRECT SEEDED RICE):

Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. To control weeds in direct seeded rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage) or tank mix of 260g of Fenoxaprop-ethyl (Rice star) + 50 g of Ethoxysulfuron (Sunrise) per acre at 15-20 DAS in moist soil.

TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.

Maize:

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 300 g /ac.

VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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. 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.
- Incidence of **thrips** may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leafcurl in chilli. To control spray phosalon 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.

Fruits:

Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Dr Sujata Sethy
(Nodal officer)



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



Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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

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Bulletin No.-421

Date- 28/07/2023

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 8mm & district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.1°C(+1°C from normal)** and **26.2°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather advisory: *Moderate rainfall is forecasted for upcoming 5 days in the block.* The day temperature will be **34-35°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 74-79% and 43-52% respectively.

There will be partly cloudy to overcast sky for next 5 days.

| Block | Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall(mm) | 13 | 11 | 25 | 30 | 27 |
| T-Max(°C) | 34 | 35 | 34 | 35 | 34 |
| T-Min(°C) | 28 | 28 | 27 | 27 | 27 |
| Cloud Cover | 8 | 8 | 8 | 8 | 8 |
| RH Max (%) | 79 | 74 | 77 | 77 | 74 |
| RH Min (%) | 52 | 48 | 50 | 43 | 45 |
| Wind Speed (Kmph) | 12 | 15 | 20 | 17 | 14 |
| Wind Direction (deg) | 208 | 293 | 297 | 283 | 252 |

Agromet Advisory

General advisory: *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

Kharifrice:(DIRECT SEEDED RICE):

Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for bushshanning. To control weeds in direct seeded rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage) or tank mix of 260g of Fenoxaprop-ethyl (Rice star) + 50 g of Ethoxysulfuron (Sunrise) per acre at 15-20 DAS in moist soil.

TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.

Maize:

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 300 g /ac.

VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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. 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.
- Incidence of **thrips** may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leafcurl in chilli. To control spray phosalon 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.

Fruits:

Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Dr Sujata Sethy
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR



Bulletin No.-421

Date- 28/07/2023

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

The block received average 7mm & district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.1°C(+1°C from normal) and 26.2°C(+2°C from normal), respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather advisory: Moderate rainfall is forecasted for upcoming 5 days in the block. The day temperature will be 34-35°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-80% and 46-52% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall(mm) | 14 | 12 | 25 | 30 | 25 |
| T-Max(°C) | 34 | 35 | 34 | 35 | 34 |
| T-Min(°C) | 28 | 28 | 27 | 27 | 26 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 8 |
| RH Max (%) | 80 | 78 | 79 | 79 | 79 |
| RH Min (%) | 52 | 48 | 52 | 46 | 48 |
| Wind Speed (Kmph) | 11 | 16 | 19 | 17 | 14 |
| Wind Direction (deg) | 208 | 294 | 297 | 288 | 252 |

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

Kharifrice:(DIRECT SEEDED RICE):

Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. To control weeds in direct seeded rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage) or tank mix of 260g of Fenoxaprop-ethyl (Rice star) + 50 g of Ethoxysulfuron (Sunrise) per acre at 15-20 DAS in moist soil.

TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.

Suagrcane:

For Red rot and wilt disease, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2% SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane;; spray Thiamethoxam 25 WG @ 125g/ha or apply Chlorpyrifos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Copper oxychloride 50.0% 3 gram per liter of water.

VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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. 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.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon 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.

Fruits:

Spray mancozeb 2g/litre, to control sigatoka leaf spot in banana. To control papaya yellow mosaic virus, spray Imidachloprid @ 0.5 ml / litre.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

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AGROMET ADVISORY BULLETIN FOR KANTAPADA



Bulletin No.-421

Date- 28/07/2023

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

The block received average 7mm & district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.1°C (+1°C from normal)** and **26.2°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today (8.30IST) to 02nd August (8.30IST) 2023

Weather advisory: *Moderate rainfall is forecasted for upcoming 5 days in the block.* The day temperature will be **34-36°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 70-77% and 41-50% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall (mm) | 11 | 12 | 23 | 30 | 20 |
| T-Max (°C) | 34 | 35 | 34 | 36 | 34 |
| T-Min (°C) | 28 | 28 | 27 | 28 | 28 |
| Cloud Cover (octa) | 8 | 8 | 8 | 8 | 8 |
| RH Max (%) | 77 | 75 | 75 | 73 | 70 |
| RH Min (%) | 50 | 46 | 50 | 41 | 44 |
| Wind Speed (Kmph) | 15 | 13 | 20 | 17 | 15 |
| Wind Direction (deg) | 208 | 288 | 302 | 270 | 248 |

Agromet Advisory

General advisory: *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

Kharifrice: (DIRECT SEEDED RICE):

Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. **To control weeds in direct seeded rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage) or tank mix of 260g of Fenoxaprop-ethyl (Rice star) + 50 g of Ethoxysulfuron (Sunrise) per acre at 15-20 DAS in moist soil.**

TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.

Sugarcane:

For **Red rot and wilt disease**, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2% SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane; spray Thiamethoxam 25 WG @ 125g/ha or apply Chlorpyrifos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Cupper oxychloride 50.0% 3 gram per liter of water.

VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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. 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.**
- Incidence of **thrips** may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon 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.

Fruits:

Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Dr Sujata Sethy
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR MAHANGA



Bulletin No.-421

Date- 28/07/2023

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

The block received average 11mm & district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.1°C(+1°C from normal) and 26.2°C (+2°C from normal), respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather advisory: Moderate with isolated heavy rainfall is forecasted in between upcoming 5 days in the block. The day temperature will be and it will be 34-36°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will 77-80% and 46-57% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall(mm) | 14 | 13 | 24 | 45 | 26 |
| T-Max(°C) | 34 | 36 | 34 | 35 | 34 |
| T-Min(°C) | 28 | 27 | 27 | 27 | 26 |
| Cloud Cover(octal) | 8 | 8 | 8 | 8 | 8 |
| RH Max (%) | 80 | 80 | 77 | 78 | 79 |
| RH Min (%) | 53 | 50 | 57 | 46 | 49 |
| Wind Speed (Kmph) | 13 | 14 | 17 | 18 | 16 |
| Wind Direction (deg) | 205 | 288 | 302 | 283 | 252 |

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

Kharifrice:(DIRECT SEEDED RICE):

Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. To control weeds in direct seeded rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage) or tank mix of 260g of Fenoxaprop-ethyl (Rice star) + 50 g of Ethoxysulfuron (Sunrise) per acre at 15-20 DAS in moist soil.

TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.

Suagrcane:

For Red rot and wilt disease, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2% SC/ Difenoconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane; spray Thiamethoxam 25 WG @ 125g/ha or apply Chlorpyrifos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Cupper oxychloride 50.0% 3 gram per liter of water.

Jute: Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per liter of water.

VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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. 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.
- Incidence of thrrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon 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.

Fruits: Spray mancozeb 2g/litre, to control sigatoka leaf spot in banana. To control papaya yellow mosaic virus, spray Imidachloprid @ 0.5 ml / litre.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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

(A Unit of ICAR-National Rice Research Institute)

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

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR



Bulletin No.-421

Date- 28/07/2023

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

The block received average 13mm & district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.1°C(+1°C from normal) and 26.2°C (+2°C from normal), respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather advisory: Moderate with isolated heavy rainfall is forecasted in between upcoming 5 days in the block. The day temperature will be 33°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-88% and 52-61% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall(mm) | 22 | 20 | 45 | 60 | 40 |
| T-Max(°C) | 33 | 33 | 33 | 33 | 33 |
| T-Min(°C) | 25 | 25 | 25 | 25 | 25 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 8 |
| RH Max (%) | 88 | 84 | 87 | 87 | 85 |
| RH Min (%) | 61 | 60 | 56 | 52 | 53 |
| Wind Speed (Kmph) | 6 | 13 | 14 | 11 | 10 |
| Wind Direction (deg) | 252 | 291 | 291 | 283 | 252 |

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

Kharifrice:(DIRECT SEEDED RICE):

Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. To control weeds in direct seeded rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage) or tank mix of 260g of Fenoxaprop-ethyl (Rice star) + 50 g of Ethoxysulfuron (Sunrise) per acre at 15-20 DAS in moist soil.

TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.

Maize:

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/lit or Dimethoate @ 2ml/lit 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 300 g /ac.

VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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. 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.
- Incidence of **thrips** may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon 3 ml. or diphenithiuron @ 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.

Fruits:

Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Dr Sujata Sethy
(Nodal officer)



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INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No.-421
Date- 28/07/2023

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

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 2mm & district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.1°C(+1°C from normal)** and **26.2°C(+2°C from normal)**, respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather advisory: *Moderate rainfall is forecasted for upcoming 5 days in the block.* The day temperature will be **34-36°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 69-77% and 43-51% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

| Block | Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|---------------------|---|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall(mm) | 11 | 13 | 26 | 30 | 22 |
| T-Max(°C) | 34 | 36 | 35 | 36 | 34 |
| T-Min(°C) | 28 | 27 | 27 | 28 | 28 |
| Cloud Cover(octa) | 7 | 8 | 8 | 8 | 8 |
| RH Max (%) | 77 | 77 | 74 | 72 | 69 |
| RH Min (%) | 50 | 46 | 51 | 43 | 46 |
| Wind Speed(Kmph) | 16 | 12 | 19 | 17 | 17 |
| Wind Direction(deg) | 212 | 259 | 302 | 257 | 248 |

Agromet Advisory

General advisory: *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

Kharifrice:(DIRECT SEEDED RICE):

Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. To control weeds in direct seeded rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage) or tank mix of 260g of Fenoxaprop-ethyl (Rice star) + 50 g of Ethoxysulfuron (Sunrise) per acre at 15-20 DAS in moist soil.

TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.

Suagrcane:

For **Red rot and wilt disease**, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2% SC/ Difenoconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane;; spray Thiamethoxam 25 WG @ 125g/ha or apply Chlorpyrifos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Copper oxychloride 50.0% 3 gram per liter of water.

VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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. 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.**
- Incidence of **thrips** may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon 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.

Fruits:

Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Dr Sujata Sethy
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 9mm & district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.1°C(+1°C from normal)** and **26.2°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather advisory: Moderate with isolated heavy rainfall is forecasted in between upcoming 5 days in the block. The day temperature will be **34-36°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be **76-79%** and **44-56%** 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) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall(mm) | 13 | 14 | 30 | 38 | 26 |
| T-Max(°C) | 34 | 36 | 34 | 35 | 34 |
| T-Min(°C) | 28 | 28 | 27 | 27 | 27 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 8 |
| RH Max (%) | 78 | 79 | 76 | 77 | 76 |
| RH Min (%) | 52 | 52 | 56 | 44 | 47 |
| Wind Speed (Kmph) | 14 | 13 | 18 | 18 | 15 |
| Wind Direction (deg) | 205 | 288 | 297 | 283 | 251 |

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

Kharifrice:(DIRECT SEEDED RICE):

Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. **To control weeds in direct seeded rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage) or tank mix of 260g of Fenoxaprop-ethyl (Rice star) + 50 g of Ethoxysulfuron (Sunrise) per acre at 15-20 DAS in moist soil.**

TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.

Suagrcane:

For **Red rot and wilt disease**, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2%SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane;; spray Thiamethoxam 25 WG @ 125g/ha or apply Chlorpyrifos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Cupper oxychloride 50.0% 3 gram per liter of water.

VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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. 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.**
- Incidence of **thrips** may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leafcurl in chilli. To control spray phosalon 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.

Fruits:

Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.



Bulletin No.-421

Date- 28/07/2023

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-421
Date- 28/07/2023

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 12mm & district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.1°C(+1°C from normal) and 26.2°C (+2°C from normal), respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather advisory: *Moderate with isolated heavy rainfall is forecasted in between upcoming 5 days in the block.* The day temperature will be 34-36°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-79% and 45-56% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall(mm) | 13 | 14 | 28 | 36 | 27 |
| T-Max(°C) | 34 | 36 | 34 | 35 | 34 |
| T-Min(°C) | 28 | 28 | 27 | 27 | 27 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 8 |
| RH Max (%) | 79 | 79 | 76 | 77 | 76 |
| RH Min (%) | 52 | 50 | 56 | 45 | 48 |
| Wind Speed (Kmph) | 13 | 14 | 18 | 18 | 15 |
| Wind Direction (deg) | 205 | 288 | 297 | 283 | 252 |

Agromet Advisory

General advisory: *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

Kharifrice:(DIRECT SEEDED RICE):

Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. To control weeds in direct seeded rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage) or tank mix of 260g of Fenoxaprop-ethyl (Rice star) + 50 g of Ethoxysulfuron (Sunrise) per acre at 15-20 DAS in moist soil.

TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. *Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.*

Suagrcane:

For **Red rot and wilt disease**, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2% SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane;; spray Thiamethoxam 25 WG @ 125g/ha or apply Chlorpyrifos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Copper oxychloride 50.0% 3 gram per liter of water.

Jute: Recent rain has aggravated **weed problem** in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control **stem rot of jute**, spray copper oxychloride @ 3-4 gram/litre of water. To control **indigo caterpillar** apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per liter of water.

VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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. 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.
- Incidence of **thrips** may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon 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.

Fruits: Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-421
Date- 28/07/2023

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 6mm & district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.1°C(+1°C from normal)** and **26.2°C(+2°C from normal)**, respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather advisory: *Moderate with isolated heavy rainfall is forecasted in between upcoming 5 days in the block.* The day temperature will be **34-36°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be **72-80%** and **48-58%** respectively. **There will be partly cloudy to overcast sky for next 5 days.**

| Block | Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall(mm) | 14 | 15 | 30 | 45 | 27 |
| T-Max(°C) | 34 | 36 | 34 | 35 | 34 |
| T-Min(°C) | 28 | 28 | 27 | 27 | 27 |
| Cloud Cover(octa) | 6 | 8 | 8 | 8 | 8 |
| RH Max (%) | 79 | 80 | 76 | 76 | 72 |
| RH Min (%) | 57 | 51 | 58 | 48 | 51 |
| Wind Speed (Kmph) | 19 | 15 | 16 | 18 | 19 |
| Wind Direction (deg) | 207 | 210 | 315 | 257 | 248 |

Agromet Advisory

General advisory: *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

Kharifrice:(DIRECT SEEDED RICE):

Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. **To control weeds in direct seeded rice, spray Bispyribac sodium 10% SC @ 120ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage) or tank mix of 260g of Fenoxaprop-ethyl (Rice star) + 50 g of Ethoxysulfuron (Sunrise) per acre at 15-20 DAS in moist soil.**

TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 31st July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting or The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.

Maize:

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/lit or Dimethoate @ 2ml/lit 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 300 g /ac.

VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- 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. 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.**
- Incidence of **thrips** may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leafcurl in chilli. To control spray phosalon 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.

Fruits:

Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Dr Sujata Sethy
(Nodal officer)



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



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



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

(A Unit of ICAR-National Rice Research Institute)

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



Bulletin No.-421

Date- 28/07/2023

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 11mm & district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.1°C(+1°C from normal) and 26.2°C (+2°C from normal), respectively. Mean relative humidity of the district was around 86-88%.

Forecasted period: Today(8.30IST) to 02nd August (8.30IST)2023

Weather advisory: Moderate with isolated heavy rainfall is forecasted in between upcoming 5 days in the block. The day temperature will be 33-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-85% and 51-56% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 28/07/2023 | 29/07/2023 | 30/07/2023 | 31/07/2023 | 01/08/2023 |
| Rainfall(mm) | 17 | 15 | 40 | 50 | 34 |
| T-Max(°C) | 33 | 34 | 33 | 34 | 34 |
| T-Min(°C) | 27 | 27 | 25 | 26 | 26 |
| Cloud Cover(octa) | 8 | 8 | 8 | 8 | 8 |
| RH Max (%) | 83 | 79 | 85 | 83 | 84 |
| RH Min (%) | 56 | 55 | 54 | 51 | 52 |
| Wind Speed (Kmph) | 8 | 15 | 16 | 14 | 11 |
| Wind Direction (deg) | 216 | 293 | 293 | 288 | 252 |

Agro met Advisory

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



Bulletin No.-421
 Date- 28/07/2023

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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 | Agromet division, IMD, Pune | https://imdagrmet.gov.in/imdproject/AGIndex.php |  |

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