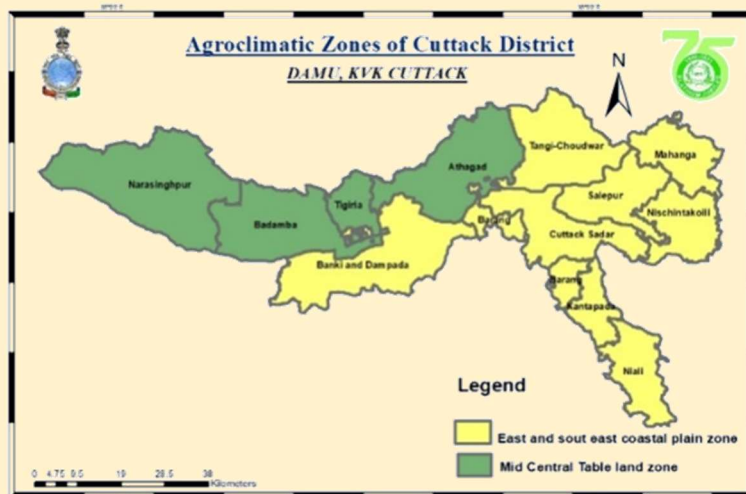




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday, 14th March, 2023
(For the period 14th to 18th March, 2023)*



*Issued by
District Agromet Unit,
KrishiVigyan Kendra Cuttack*





GRAMIN KRISHI MAUSAM SEWA
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Bulletin No.-382
Date- 14/03/2023

STANDARD PRECIPITATION INDEX AND NDVI MAP

| Standard Precipitation Index (SPI) | Normalized difference vegetation Index (NDVI) |
|--|--|
| <p style="text-align: center;">Standardised Precipitation Index for the period 9th February 2023 to 8th March 2023</p> <p style="text-align: center;">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> | <p style="text-align: center;">NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 10 (05.03.2023 to 11.03.2023) over Agricultural region</p> <p style="text-align: center;">Odisha</p> <p style="text-align: center;">Agriculture vigour is moderate over the state.</p> |
| <p>As per SPI value (cumulative 4weeks - 09February to 08March 2023), mildly dry condition was there in Cuttack district.</p> | <p>According to NDVI map (05.03.2023 to 11.03.2023) the agriculture vigor was very light to light over maximum blocks of Cuttack district.</p> |

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

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

Dr Sujata Sethy
(Nodal officer)



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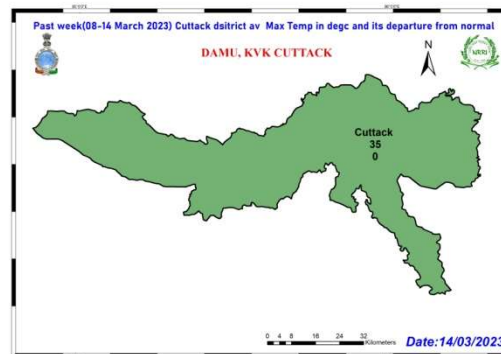
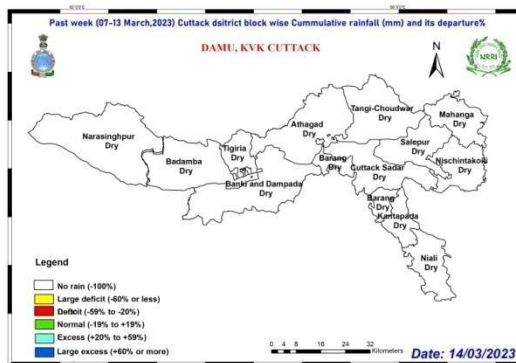


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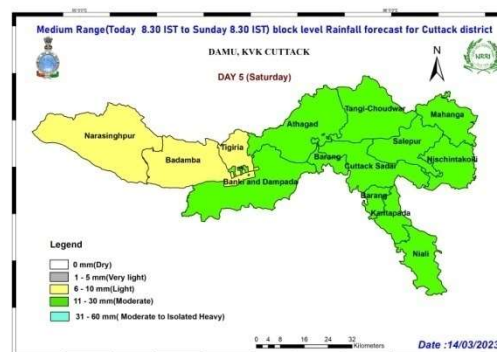
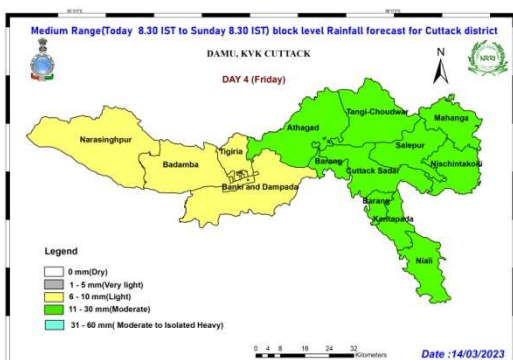
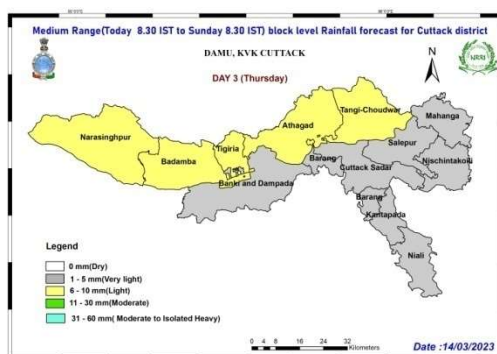
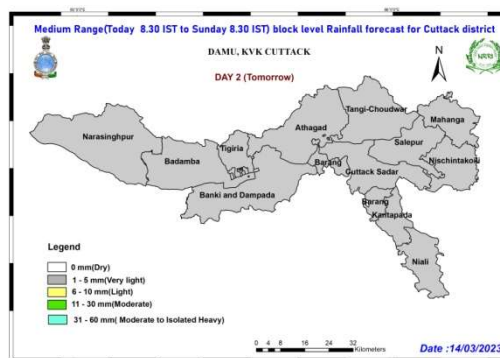
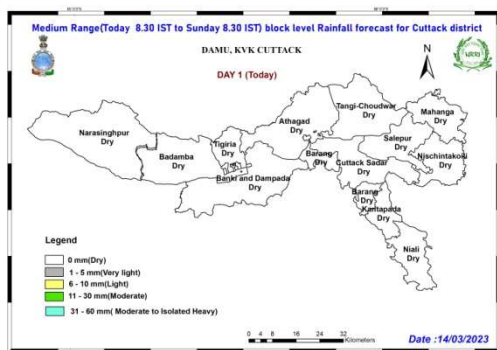


Bulletin No.-382
Date- 14/03/2023

Past week (07-13 March, 2023) cumulative rainfall departure% from normal and (08-14 March, 2023) average maximum temperature and its departure from normal for Cuttack district



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



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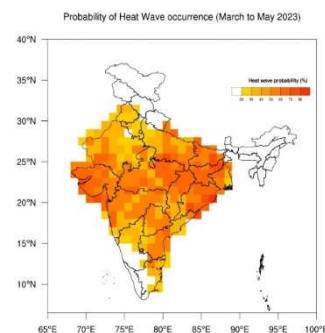
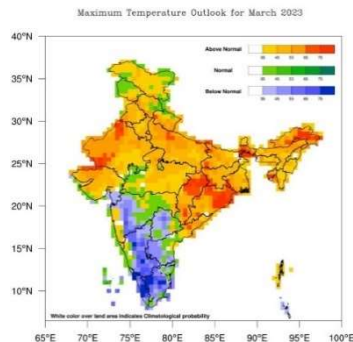
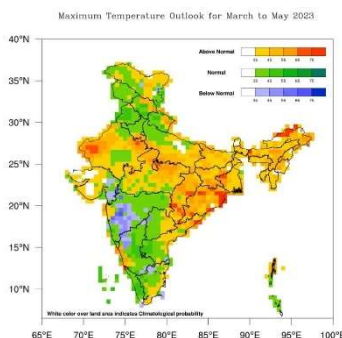
Bulletin No.-382
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| Met Sub division | Extended range outlook for subsequent 1 week (6 th to 12 th days) (19-25 March 2023) | | | | |
|------------------|---|---------------|---------------|----------------------|-------------------|
| Odisha | <i>Parameter</i> | <i>Actual</i> | <i>Normal</i> | <i>Departure (%)</i> | <i>Category</i> |
| | Rainfall(mm) | 1.20 | 0.16 | 667.73 | Above Normal |
| | <i>Parameter</i> | <i>Actual</i> | <i>Normal</i> | <i>Anomaly</i> | <i>Category</i> |
| | Maximum temperature (°C) | 32.10 | 35.41 | -3.31 | Mod. Below normal |
| | Minimum temperature (°C) | 20.13 | 21.41 | -1.28 | Normal |

As per extended range outlook there will be scattered light to moderate rainfall/Thundershower (Above normal rainfall) is forecasted in subsequent week (19-25 March, 2023) after 5 days for Odisha condition. So farmers should stop sowing, spraying and irrigation activities in next week and should complete the sowing of summer vegetables like cucurbits and crops like Maize after the subsequent week to utilize the soil moisture effectively.

Seasonal outlook for Hot weather Season (March to May) 2023 and Monthly Outlook for March 2023 for the Temperature

- During the upcoming hot weather season (March to May (MAM)), above normal maximum and minimum temperatures are likely over most parts of Odisha.
- Monthly maximum temperatures for March 2023 are likely to be above normal over most parts of Odisha.
- Enhanced probability of occurrence of Heatwave during March to May season is likely over many regions of Odisha.
- Based upon above forecast farmers are advised to go for sowing of Drought tolerant less duration variety of Crops and vegetables and should make proper arrangement of soil moisture conservation and irrigation practices in critical growth/moisture sensitive stage (Especially during reproductive or flowering to grainfilling/fruting stage).



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Bulletin No.-382
Date- 14/03/2023

General agro-met advisory for Thunderstorm/Lightening condition in Cuttack district

- *As maximum early sown Green gram, Black gram, Mustard, Groundnut crops and cucurbits, Brinjal, Tomato, Okra crop are at harvesting stage harvest them before thundershower and store them at safer places.*
- *Stop sowing, fertilizer/Pesticide application and irrigation activities during rainy days.*
- *Start sowing of summer maize and cucurbits after thundershower by utilization of soil moisture.*
- In view of thunderstorm accompanied with gusty winds, provide mechanical support to orchards, staking in vegetables.
- In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals.
- Keep animals away from open water, pond or river.
- Keep animals away from tractors and other metal farm equipment.
- Drain out excess water from standing crops.
- Cover the harvested produce with polythene sheet.
- Don't allow your animals to congregate under trees. Watch your animals closely and try to keep them under your direct control.



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Bulletin No.-382
Date- 14/03/2023

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 | Summer Rice (Irrigated) | Tillering |  | Blast |
| | | |  | BLB |
| | | |  | Leaf folder |
| | | |  | Stem borer |
| 2 | Pulses (Green gram and black gram) | Flowering to pod development |  | Anthracnose |
| | | |  | Cercospora leaf spot |
| 3 | Rabi Groundnut | Flowering to maturity |  | Spodotera/Tobacco caterpillar |
| | | |  | Tikka |
| 4 | Sugarcane | Vegetative to Tillering |  | Weeds |
| 5 | Maize (Sweet corn) | 3-5 week stage |  | Stem fly |
| | | |  | Leaf blight |

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| | | | | |
|----|-----------------|-----------------------------|--|--------------------|
| 6 | Tomato/Barinjal | |  | Wilting |
| | | |  | Seedling rot |
| 7 | Onion | Flowering to fruting |  | Purple blight |
| | | |  | Stemphylium Blight |
| 8 | Cucurbits | Flowering to Fruiting stage |  | Downy mildew |
| 9 | Mango | Flowering to fruiting |  | Mango hooper |
| 10 | Banana | |  | Sigatoka |

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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light to light rainfall/Thundershower is forecasted on Tomorrow and Thursday and light to moderate rainfall/Thundershower next 2 days in the block. The day temperature will be 27-36°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-95% and 14-34% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall (mm) | 0 | 1 | 7 | 12 | 11 |
| T-Max (°C) | 35 | 36 | 35 | 30 | 27 |
| T-Min (°C) | 21 | 23 | 22 | 22 | 22 |
| Cloud Cover (octa) | 3 | 4 | 6 | 7 | 8 |
| RH Max (%) | 88 | 95 | 81 | 67 | 86 |
| RH Min (%) | 15 | 14 | 20 | 21 | 34 |
| Wind Speed (kmph) | 15 | 15 | 13 | 8 | 11 |
| Wind Direction (deg) | 193 | 180 | 203 | 203 | 195 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. **Provide proper drainage channel to drain out excess water.**

• Temperature below 28°C and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercopsora leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 (Pluton) @ 300 g /ac.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of tobacco caterpillar infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **likka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.

Fruits:

Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in **banana**.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities.

Dr Sujata Sethy
(Nodal officer)



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Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light to light rainfall/Thundershower is forecasted for next 4 days in the block. The day temperature will be 27-36°C and night temperature will be 20-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-95% and 14-35% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 6 | 8 | 9 |
| T-Max(°C) | 35 | 36 | 35 | 30 | 27 |
| T-Min(°C) | 20 | 21 | 21 | 22 | 21 |
| Cloud Cover(octa) | 3 | 5 | 6 | 8 | 7 |
| RH Max (%) | 80 | 95 | 70 | 63 | 83 |
| RH Min (%) | 14 | 14 | 19 | 20 | 35 |
| Wind Speed (Kmph) | 14 | 12 | 11 | 6 | 10 |
| Wind Direction (deg) | 199 | 162 | 207 | 158 | 195 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. Provide proper drainage channel to drain out excess water.

• Temperature below 28°C and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercospora leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 (Pluton) @ 300 g /ac.

Sugarcane: To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @0.8-2kg/acre of moist field.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of **tobacco caterpillar** infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **rikka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.

Fruits:

Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in **banana**.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities.

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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light to light rainfall/Thundershower is forecasted on Tomorrow to Friday and light to moderate rainfall/Thundershower next 1 day in the block. The day temperature will be 27-36°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-94% and 14-33% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 3 | 9 | 11 |
| T-Max(°C) | 36 | 35 | 35 | 30 | 27 |
| T-Min(°C) | 21 | 23 | 22 | 22 | 21 |
| Cloud Cover(octa) | 3 | 4 | 6 | 8 | 7 |
| RH Max (%) | 86 | 94 | 76 | 65 | 87 |
| RH Min (%) | 14 | 14 | 21 | 21 | 33 |
| Wind Speed (Kmph) | 16 | 15 | 13 | 8 | 12 |
| Wind Direction (deg) | 198 | 180 | 200 | 161 | 195 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. Provide proper drainage channel to drain out excess water.

- Temperature below 28°C and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.
- Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercospora leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 (Pluton) @ 300 g /ac.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of tobacco caterpillar infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **tikka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.

Fruits:

Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in **banana**.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPADA

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather Advisory Dry weather is forecasted for today and Very light to light rainfall/Thundershower is forecasted on Tomorrow to Friday and light to moderate rainfall/Thundershower next 1 day in the block. The day temperature will be 27-35°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-94% and 14-33% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 4 | 10 | 11 |
| T-Max(°C) | 35 | 35 | 35 | 30 | 27 |
| T-Min(°C) | 21 | 23 | 22 | 21 | 21 |
| Cloud Cover(octa) | 3 | 4 | 6 | 8 | 7 |
| RH Max (%) | 86 | 94 | 77 | 65 | 87 |
| RH Min (%) | 14 | 15 | 21 | 21 | 33 |
| Wind Speed (Kmph) | 16 | 15 | 13 | 8 | 11 |
| Wind Direction (deg) | 198 | 171 | 203 | 169 | 195 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. **Provide proper drainage channel to drain out excess water.**

• Temperature below 28°C and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercospora leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 (Pluton) @ 300 g/ac.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of tobacco caterpillar infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **tikka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.

Fruits:

Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in **banana**.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light to light rainfall/Thundershower is forecasted on Tomorrow and Thursday and light to moderate rainfall/Thundershower next 2 days in the block. The day temperature will be 28-36°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-94% and 15-33% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 4 | 11 | 12 |
| T-Max(°C) | 35 | 36 | 35 | 31 | 28 |
| T-Min(°C) | 22 | 24 | 22 | 22 | 22 |
| Cloud Cover | 2 | 4 | 5 | 7 | 8 |
| RH Max (%) | 89 | 94 | 87 | 63 | 87 |
| RH Min (%) | 16 | 15 | 22 | 26 | 33 |
| Wind Speed (Kmph) | 16 | 16 | 16 | 9 | 12 |
| Wind Direction (deg) | 201 | 180 | 203 | 198 | 195 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. Provide proper drainage channel to drain out excess water.

• Temperature below 28°C and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercospora leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 (Pluton) @ 300 g/ac.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of **tobacco caterpillar** infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **tikka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.

Fruits:

Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in banana.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light rainfall/Thundershower is forecasted on Tomorrow and Thursday and light to moderate rainfall/Thundershower next 2 days in the block. The day temperature will be 28-36°C and night temperature will be 22-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-95% and 14-34% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 3 | 12 | 11 |
| T-Max(°C) | 35 | 36 | 35 | 31 | 28 |
| T-Min(°C) | 22 | 23 | 22 | 22 | 22 |
| Cloud Cover(octa) | 3 | 4 | 5 | 7 | 8 |
| RH Max (%) | 90 | 95 | 87 | 61 | 85 |
| RH Min (%) | 17 | 14 | 20 | 25 | 34 |
| Wind Speed (Kmph) | 16 | 15 | 15 | 9 | 12 |
| Wind Direction (deg) | 198 | 189 | 201 | 225 | 195 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. Provide proper drainage channel to drain out excess water.

• Temperature below 28°C and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercospora leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 (Pluton) @ 300 g /ac.

Sugarcane: To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @ 0.8-2kg/acre of moist field.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of tobacco caterpillar infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **likka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits: After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.

Fruits:

Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in banana.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light rainfall/Thundershower is forecasted on Tomorrow and Thursday and light to moderate rainfall/Thundershower next 2 days in the block. The day temperature will be 28-36°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-92% and 18-34% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 4 | 11 | 12 |
| T-Max(°C) | 35 | 36 | 34 | 32 | 28 |
| T-Min(°C) | 23 | 24 | 23 | 22 | 22 |
| Cloud Cover(octa) | 2 | 3 | 5 | 7 | 8 |
| RH Max (%) | 87 | 92 | 89 | 70 | 87 |
| RH Min (%) | 18 | 18 | 28 | 28 | 34 |
| Wind Speed (Kmph) | 17 | 17 | 16 | 9 | 11 |
| Wind Direction (deg) | 201 | 201 | 204 | 210 | 195 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. Provide proper drainage channel to drain out excess water.

• Temperature below 28°C and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ litre of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercopsera leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 (Pluton) @ 300 g /ac.

Sugarcane: To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @ 0.8-2kg/acre of moist field.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of **tobacco caterpillar** infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **tikka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in tomato and brinjal field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in cucurbits. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.

Fruits: Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in banana.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities

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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light rainfall/Thundershower is forecasted on Tomorrow and Thursday and light to moderate rainfall/Thundershower next 2 days in the block. The day temperature will be and it will be 28-36°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-95% and 17-39% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 5 | 12 | 11 |
| T-Max(°C) | 35 | 36 | 35 | 32 | 28 |
| T-Min(°C) | 21 | 23 | 22 | 22 | 21 |
| Cloud Cover(octal) | 2 | 4 | 5 | 7 | 8 |
| RH Max (%) | 91 | 95 | 93 | 63 | 82 |
| RH Min (%) | 20 | 17 | 25 | 29 | 39 |
| Wind Speed (Kmph) | 15 | 14 | 15 | 8 | 11 |
| Wind Direction (deg) | 198 | 197 | 198 | 225 | 195 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. Provide proper drainage channel to drain out excess water.

• Temperature below 28°C and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercospora leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 granules @ 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.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of tobacco caterpillar infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **tikka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.

Fruits:

Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in **banana**.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light to light rainfall/Thundershower is forecasted on Tomorrow to Friday and light to moderate rainfall/Thundershower next 1 day in the block. The day temperature will be 27-38°C and night temperature will be 20-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 62-94% and 13-36% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 7 | 8 | 9 |
| T-Max(°C) | 35 | 38 | 35 | 31 | 27 |
| T-Min(°C) | 20 | 20 | 21 | 21 | 20 |
| Cloud Cover(octa) | 4 | 5 | 7 | 7 | 7 |
| RH Max (%) | 67 | 94 | 62 | 64 | 80 |
| RH Min (%) | 13 | 13 | 17 | 22 | 36 |
| Wind Speed (Kmph) | 10 | 8 | 7 | 6 | 8 |
| Wind Direction (deg) | 197 | 195 | 162 | 75 | 68 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. Provide proper drainage channel to drain out excess water.

• Temperature below 28deg c and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercopsera leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 (Pluton) @ 300 g /ac.

Sugarcane: To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @0.8-2kg/acre of moist field.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of **tobacco caterpillar** infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **rikka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in tomato and brinjal field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in cucurbits. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.

Fruits:

Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyriphos @2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in banana.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light rainfall/Thundershower is forecasted on Tomorrow and Thursday and light to moderate rainfall/Thundershower next 2 days in the block. The day temperature will be 27-35°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-91% and 21-38% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 4 | 11 | 12 |
| T-Max(°C) | 35 | 35 | 33 | 32 | 27 |
| T-Min(°C) | 23 | 24 | 23 | 22 | 22 |
| Cloud Cover(octa) | 2 | 3 | 5 | 7 | 8 |
| RH Max (%) | 85 | 90 | 91 | 75 | 85 |
| RH Min (%) | 21 | 22 | 34 | 31 | 38 |
| Wind Speed(Kmph) | 17 | 18 | 17 | 11 | 11 |
| Wind Direction(deg) | 201 | 201 | 203 | 210 | 203 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. Provide proper drainage channel to drain out excess water.

• Temperature below 28 deg c and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercospora leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 Azoxytrobilin + Mancozeb (Pluton) @ 300 g /ac.

Sugarcane: To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @ 0.8-2kg/acre of moist field.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of tobacco caterpillar infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **likka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxytrobilin+Tebuconazole @ 0.6g/litre of water at 10 days interval.

Fruits: Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in banana.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI
District Past week average weather condition and Block past week average Rainfall condition

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light rainfall/Thundershower is forecasted on Tomorrow and Thursday and light to moderate rainfall/Thundershower next 2 days in the block. The day temperature will be 28-36°C and night temperature will be 22-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-94% and 18-38% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 4 | 11 | 12 |
| T-Max(°C) | 35 | 36 | 35 | 32 | 28 |
| T-Min(°C) | 22 | 23 | 22 | 22 | 22 |
| Cloud Cover(octa) | 2 | 4 | 5 | 7 | 8 |
| RH Max (%) | 91 | 94 | 92 | 68 | 84 |
| RH Min (%) | 20 | 18 | 26 | 30 | 38 |
| Wind Speed (Kmph) | 16 | 15 | 15 | 9 | 11 |
| Wind Direction (deg) | 198 | 193 | 201 | 203 | 195 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. Provide proper drainage channel to drain out excess water.

• Temperature below 28°C and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercospora leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 (Pluton) @ 300 g /ac.

Sugarcane: To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @ 0.8-2kg/acre of moist field.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of tobacco caterpillar infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **tikka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.

Fruits:

Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in **banana**.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities.

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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light rainfall/Thundershower is forecasted on Tomorrow and Thursday and light to moderate rainfall/Thundershower next 2 days in the block. The day temperature will be 28-36°C and night temperature will be 22-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-94% and 17-37% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 5 | 11 | 12 |
| T-Max(°C) | 35 | 36 | 35 | 32 | 28 |
| T-Min(°C) | 22 | 23 | 22 | 22 | 22 |
| Cloud Cover(octa) | 2 | 4 | 5 | 7 | 8 |
| RH Max (%) | 91 | 94 | 91 | 66 | 84 |
| RH Min (%) | 19 | 17 | 25 | 29 | 37 |
| Wind Speed (Kmph) | 16 | 15 | 15 | 9 | 11 |
| Wind Direction (deg) | 198 | 193 | 201 | 225 | 195 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. Provide proper drainage channel to drain out excess water.

• Temperature below 28°C and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercospora leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 (Pluton) @ 300 g/ac.

Sugarcane: To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @ 0.8-2kg/acre of moist field.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of tobacco caterpillar infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **tikka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.

Fruits:

Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in **banana**.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light to light rainfall/Thundershower is forecasted on Tomorrow and Thursday and light to moderate rainfall/Thundershower next 2 days in the block. The day temperature will be 29-35°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-89% and 33-47% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 7 | 13 | 11 |
| T-Max(°C) | 35 | 35 | 34 | 34 | 29 |
| T-Min(°C) | 25 | 25 | 25 | 24 | 23 |
| Cloud Cover(octa) | 1 | 3 | 5 | 8 | 8 |
| RH Max (%) | 82 | 87 | 89 | 75 | 81 |
| RH Min (%) | 33 | 34 | 47 | 41 | 46 |
| Wind Speed (Kmph) | 18 | 19 | 18 | 14 | 10 |
| Wind Direction (deg) | 191 | 201 | 204 | 212 | 200 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. Provide proper drainage channel to drain out excess water.

• Temperature below 28°C and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray triacyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercospora leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 (Pluton) @ 300 g /ac.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of tobacco caterpillar infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **tikka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.

Fruits:

Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in **banana**.

Animal husbandry: Don't allow livestock to outside in view of thunderstorm activities.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-382
Date- 14/03/2023

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.1°C (+0.29 from normal) and 22°C (+1.2 from normal), respectively. The mean relative humidity was 46-65%.

Forecasted period: Today(8.30IST) to 19th March(8.30IST)2023

Weather advisory: Dry weather is forecasted for today and Very light to light rainfall/Thundershower is forecasted for next 4 days in the block. The day temperature will be 27-36°C and night temperature will be 21-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-95% and 14-35% 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 | 14/03/2023 | 15/03/2023 | 16/03/2023 | 17/03/2023 | 18/03/2023 |
| Rainfall(mm) | 0 | 1 | 8 | 10 | 10 |
| T-Max(°C) | 35 | 36 | 35 | 30 | 27 |
| T-Min(°C) | 21 | 22 | 22 | 22 | 21 |
| Cloud Cover(octa) | 3 | 5 | 6 | 8 | 7 |
| RH Max (%) | 86 | 95 | 77 | 67 | 85 |
| RH Min (%) | 14 | 14 | 20 | 21 | 35 |
| Wind Speed (Kmph) | 14 | 14 | 12 | 7 | 11 |
| Wind Direction (deg) | 193 | 180 | 205 | 180 | 195 |

Crop specific Agro-met Advisory

Summer Rice:

The crop is at tillering stage. Provide proper drainage channel to drain out excess water.

• Temperature below 28°C and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. 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.

• Forecasted cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **bacterial leaf blight** will be found in rice due to cloudy weather, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.

Pulses:

Harvest matured pulses as soon as possible. There may be chances of infestation of **Anthraxnose and Cercospora leaf spot** in Pulses due to humid weather. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

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 (Pluton) @ 300 g/ac.

Sugarcane: To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @ 0.8-2kg/acre of moist field.

Rabi-Groundnut:

Harvest matured groundnut as soon as possible. Provide proper drainage channel to drain out excess water.

Forecasted weather favors infestation of tobacco caterpillar infestation in groundnut; to control, spray Profenophos 50% EC @ 2 ml/litre of water or Flubendiamide 480 SC @ 0.2 ml/litre of water. There may be chances of incidence of **tikka disease** in groundnut. To manage this disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Mancozeb 75% WP @ 600- gram/acre or Hexaconazole 5% E.C @ 300-ml/acre in 200 litre of water.

Vegetables:

Provide mechanical support to Cucurbits, Papaya, Banana, sugarcane crops to protect from lodging. Harvest matured fruits, vegetables as soon as possible and keep them at safer places.

Tomato/Brinjal:

To prevent of soil borne diseases like **seedling rot, stem rot** diseases apply 3g of Copper oxychloride per litre of water around the main stem. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

Onion:

There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits:

After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.

Fruits:

Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Spray mancozeb 2g/litre, to control **sigatoka leaf spot** in **banana**.

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

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

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

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