

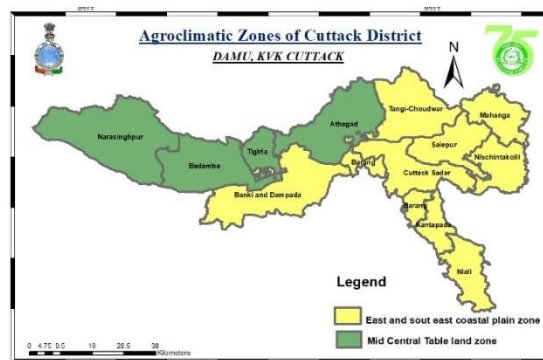


**GRAMIN KRISHI MAUSAM SEWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
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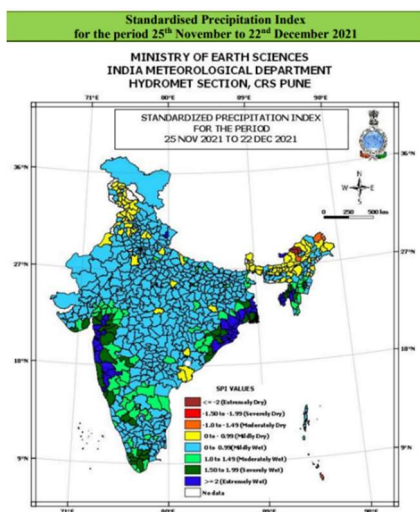


**Bulletin No.-256**  
**Date- 24/12/2021**

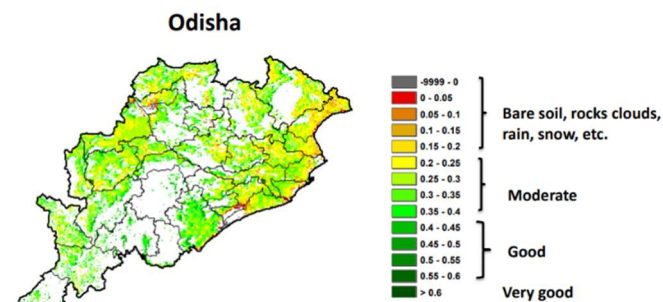
## AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



## STANDARD PRECIPITATION INDEX AND NDVI MAP



**NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 49**  
**(03.12.2021 to 09.12.2021) over Agricultural region**



Agriculture vigour is good over few places of the state.

**As per SPI value (cumulative 4weeks -25 November-22 December 2021), Extremely wet condition was there in Cuttack district.**

**According to NDVI map (03.12.2021 to 09.12.2021) the agriculture vigor was light to moderate over most blocks**

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

**Dr Sujata Sethy**  
 (Nodal officer)



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**APP for Lightening alert in your area**



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

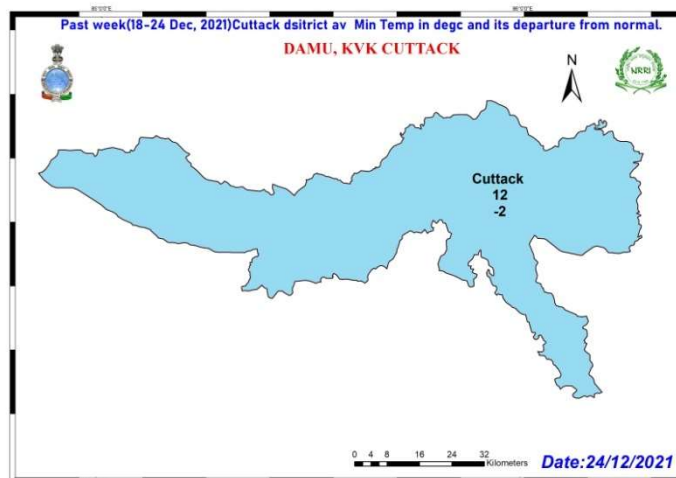
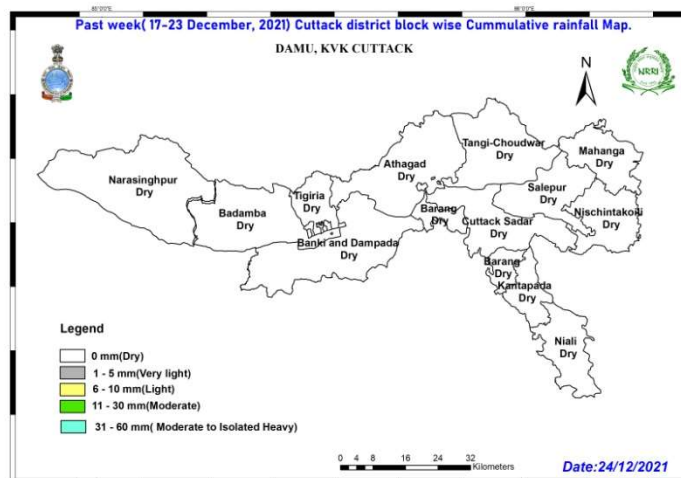


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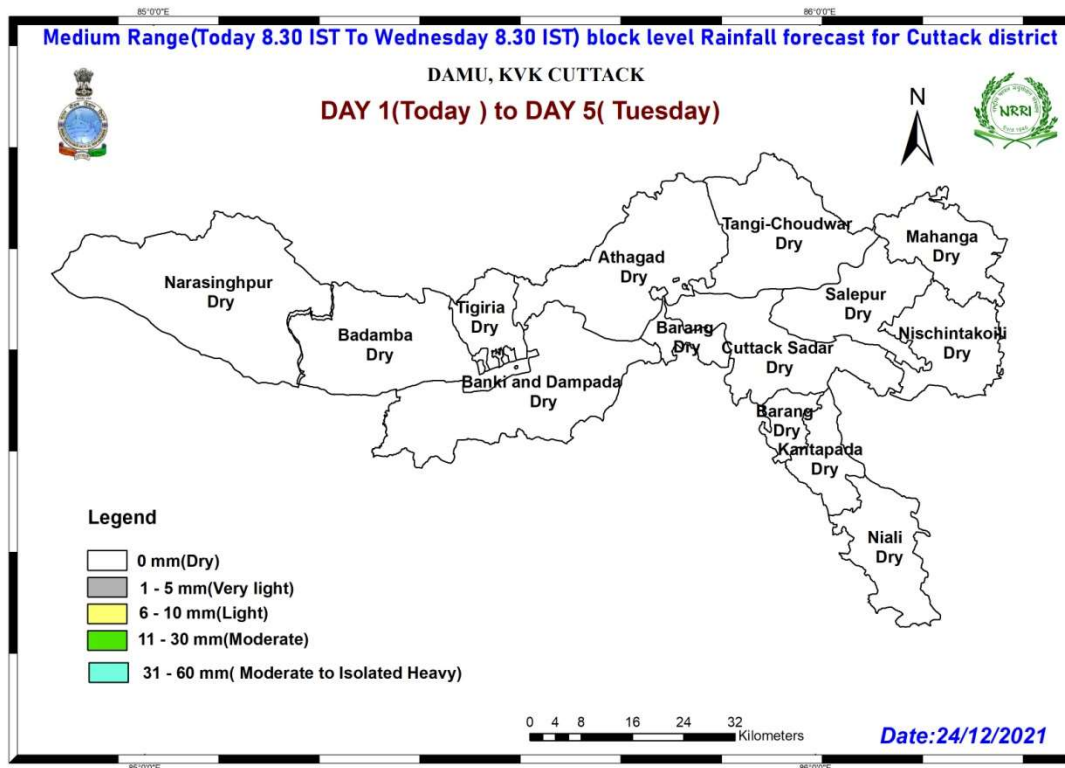


Bulletin No.-256  
Date- 24/12/2021

**Past week (17-23 Dec) cumulative rainfall and (18-24 Dec) average minimum temperature and its departure from normal 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.-256**  
**Date- 24/12/2021**

| Met Sub division | Extended range outlook for subsequent 1 week (6 <sup>th</sup> to 12 <sup>th</sup> days)<br>(29 December 2021-04 January 2022) |                      |                 |
|------------------|---|----------------------|-----------------|
| Odisha           | <i>Parameter</i>  | <i>Departure (%)</i> | <i>Category</i> |
|                  | Rainfall  | 61.32                | Above Normal    |
|                  | <i>Parameter</i>  | <i>Anomaly</i>       | <i>Category</i> |
|                  | Maximum temperature   | 0.57                 | Normal          |
|                  | Minimum temperature   | 1.60                 | Above Normal    |

**General Agromet Advisory-:** There will be above normal rainfall in subsequent week after 5 days (29 Dec 2021-04 January 2022) in Odisha condition, and there will be dry weather is forecasted for upcoming 5days. *Farmers should go for sowing of rabi vegetables and crops in the subsequent week.*

**Dr Sujata Sethy**  
**(Nodal officer)**



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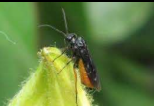








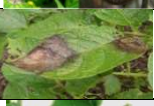



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Bulletin No.-256

Date- 24/12/2021

**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     | Pulses (Green gram and black gram)   | Vegetative stage                |    | Aphid                   |
| 1     | Mustard                              | Vegetative stage                |    | Aphid                   |
|       |                                      |                                 |    | Saw fly                 |
|       |                                      |                                 |    | White rust              |
| 2     | Rabi Groundnut                       | Vegetative stage                |    | Leaf Miner              |
| 3     | Vegetables (Tomato, Chilli, Brinjal) | Vegetative to fruiting          |    | Thrips                  |
|       |                                      |                                 |   | Mites                   |
|       |                                      |                                 |  | Chili Aphid             |
| 4     | Brinjal                              | Fruiting                        |  | Fruit and shoot borer   |
| 5     | Tomato                               | Vegetative                      |  | Leaf Curl virus         |
|       |                                      | Fruiting                        |  | Late blight             |
| 6     | Potato                               | Sprouting/Vegetative stage      |  | Leaf Blight             |
|       | Cole crops (Cauliflower and cabbage) | Vegetative to fruiting          |  | Leaf eating caterpillar |
| 7     |                                      |                                 |  | Aphid                   |
|       |                                      |                                 |  | Fruit borer             |

Dr Sujata Sethy  
(Nodal officer)



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

(A Unit of ICAR-National Rice Research Institute)

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



Bulletin No.-256

Date- 24/12/2021

## AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

### Forecasted period: Today(8.30IST) to 29<sup>th</sup>December (8.30IST)2021

**Weather advisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5days in the block. The day temperature will be 26-27°C and night temperature will be 11-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-87% and 26-39% respectively. There will be mainly clear sky for next 5days.

| Block                | Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 24/12/2021  | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall (mm)        | 0   | 0          | 0          | 0          | 0          |
| T-Max (°C)           | 27  | 27         | 27         | 27         | 26         |
| T-Min (°C)           | 12  | 12         | 13         | 13         | 11         |
| Cloud Cover (octa)   | 0   | 0          | 1          | 0          | 0          |
| RH Max (%)           | 82  | 78         | 81         | 83         | 87         |
| RH Min (%)           | 26  | 36         | 38         | 38         | 39         |
| Wind Speed (kmph)    | 4   | 7          | 6          | 6          | 7          |
| Wind Direction (deg) | 146   | 155        | 155        | 158        | 108        |

### Agromet Advisory

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage **Mustard sawfly** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

- **Vegetables:**
- **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- **Potato:**
- After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**. There are chances of **Leaf Blight** disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.
- **Tomato:**  
At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage **Whitefly** chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.
- **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting.  
At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

### Animal husbandry:

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

Dr Sujata Sethy  
(Nodal officer)



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**Bulletin No.-256**  
**Date- 24/12/2021**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

**Forecasted period: Today(8.30IST) to 29<sup>th</sup> December (8.30IST)2021**

**Weather advisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5days in the block. The day temperature will be 26-28°C and night temperature will be 11-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-90% and 25-40% respectively.

There will be mainly clear sky for next 5days.

| Block                | Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 24/12/2021  | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)         | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28  | 28         | 28         | 27         | 26         |
| T-Min(°C)            | 11  | 12         | 13         | 13         | 12         |
| Cloud Cover(octa)    | 0   | 0          | 1          | 0          | 0          |
| RH Max (%)           | 85  | 83         | 85         | 86         | 90         |
| RH Min (%)           | 25  | 37         | 40         | 40         | 39         |
| Wind Speed (Kmph)    | 4   | 6          | 6          | 6          | 6          |
| Wind Direction (deg) | 30  | 153        | 153        | 152        | 150        |

**Agromet Advisory**

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect. There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.
- Tomato:**
- At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting.
- At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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Bulletin No.-256

Date- 24/12/2021

**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week average weather condition**

The district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

**Forecasted period: Today(8.30IST) to 29<sup>th</sup> December (8.30IST)2021**

**Weather advisory:** Dry Dry weather is forecasted for Today to Tuesday in upcoming 5 days in the block. The day temperature will be 26-28°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-89% and 25-39% respectively. There will be mainly clear sky for next 5 days.

| Block                | Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 24/12/2021                                      | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)         | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28  | 28         | 28         | 27         | 26         |
| T-Min(°C)            | 13  | 13         | 14         | 14         | 13         |
| Cloud Cover(octa)    | 0   | 0          | 1          | 0          | 0          |
| RH Max (%)           | 82  | 79         | 82         | 84         | 89         |
| RH Min (%)           | 25  | 37         | 39         | 39         | 38         |
| Wind Speed (Kmph)    | 4   | 7          | 6          | 6          | 7          |
| Wind Direction (deg) | 162   | 155        | 155        | 158        | 120        |

**Agromet Advisory**

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect. There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.
- Tomato:**
- At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting.
- At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in Brinjal, Tomato, Chilli, cole crops, for control spray imidacloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

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 BANKI-DAMPARA



Bulletin No.-256

Date- 24/12/2021

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

**Forecasted period: Today(8.30IST) to 29<sup>th</sup> December (8.30IST)2021**

**Weather Advisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5 days in the block. The day temperature will be 26-28°C and night temperature will be 13-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-88% and 25-39% respectively. There will be mainly clear sky for next 5 days.

| Block                | Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 24/12/2021  | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)         | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28  | 28         | 28         | 27         | 26         |
| T-Min(°C)            | 13  | 13         | 14         | 14         | 13         |
| Cloud Cover(octa)    | 0   | 0          | 1          | 0          | 0          |
| RH Max (%)           | 82  | 79         | 82         | 84         | 88         |
| RH Min (%)           | 25  | 37         | 39         | 39         | 38         |
| Wind Speed (Kmph)    | 4   | 7          | 6          | 6          | 7          |
| Wind Direction (deg) | 162   | 155        | 161        | 158        | 120        |

## Agromet Advisory

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect. There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.
- Tomato:**
- At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may reported in present crop condition, spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting.
- At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in Brinjal, Tomato, Chilli, cole crops, for control spray imidacloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

## Animal husbandry:

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

Dr Sujata Sethy  
(Nodal officer)



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



**Bulletin No.-256**  
**Date- 24/12/2021**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

**Forecasted period: Today(8.30IST) to 29<sup>th</sup>December (8.30IST)2021**

**Weather advisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5 days in the block. The day temperature will be 26-28°C and night temperature will be 13-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-85% and 26-40% respectively. There will be mainly clear sky for next 5 days.

| Block                | Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 24/12/2021  | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)         | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28  | 28         | 28         | 27         | 26         |
| T-Min(°C)            | 13  | 13         | 14         | 14         | 13         |
| Cloud Cover          | 0   | 0          | 1          | 0          | 0          |
| RH Max (%)           | 77  | 75         | 79         | 81         | 85         |
| RH Min (%)           | 26  | 36         | 37         | 37         | 40         |
| Wind Speed (Kmph)    | 5   | 7          | 7          | 7          | 8          |
| Wind Direction (deg) | 27  | 158        | 158        | 124        | 110        |

**Agromet Advisory**

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage **Mustard sawfly** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

- **Vegetables:**
- **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- **Potato:**
- After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**. There are chances of **Leaf Blight** disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.
- **Tomato:**  
At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may be reported in present crop condition, spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage **Whitefly** chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.
- **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting.  
At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidacloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**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)



**Bulletin No.-256**  
**Date- 24/12/2021**

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

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

**Forecasted period: Today(8.30IST) to 29<sup>th</sup>December (8.30IST)2021**

**Weather advisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5days in the block. The day temperature will be 26-27°C and night temperature will be 13-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-84% and 26-39% respectively. There will be mainly clear sky for next 5days.

| Block                | Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 24/12/2021  | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)         | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 27  | 27         | 27         | 27         | 26         |
| T-Min(°C)            | 13  | 14         | 14         | 15         | 13         |
| Cloud Cover(octa)    | 0   | 0          | 1          | 0          | 0          |
| RH Max (%)           | 78  | 75         | 79         | 81         | 84         |
| RH Min (%)           | 26  | 35         | 37         | 37         | 39         |
| Wind Speed (Kmph)    | 5   | 6          | 7          | 7          | 8          |
| Wind Direction (deg) | 162   | 158        | 158        | 154        | 110        |

**Agromet Advisory**

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage **Mustard sawfly** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

- **Vegetables:**
- **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- **Potato:**
- After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**. There are chances of **Leaf Blight** disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.
- **Tomato:**  
At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may be reported in present crop condition, spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage **Whitefly** chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.
- **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting.  
At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidacloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**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



Bulletin No.-256

Date- 24/12/2021

## AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

**Forecasted period: Today(8.30IST) to 29<sup>th</sup> December (8.30IST)2021**

**Weatheradvisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5days in the block. The day temperature will be 27-28°C and night temperature will be 13-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-85% and 28-41% respectively. There will be mainly clear sky for next 5days.

| Block                | Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 24/12/2021  | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)         | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 27  | 28         | 28         | 27         | 27         |
| T-Min(°C)            | 13  | 14         | 14         | 14         | 15         |
| Cloud Cover(octa)    | 0   | 0          | 1          | 0          | 0          |
| RH Max (%)           | 74  | 74         | 80         | 82         | 85         |
| RH Min (%)           | 28  | 38         | 38         | 38         | 41         |
| Wind Speed (Kmph)    | 6   | 7          | 8          | 8          | 9          |
| Wind Direction (deg) | 27  | 158        | 146        | 116        | 109        |

### Agromet Advisory

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect. There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.
- Tomato:**
- At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

### Animal husbandry:

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

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 MAHANGA



Bulletin No.-256

Date- 24/12/2021

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

**Forecasted period: Today(8.30IST) to 29<sup>th</sup> December (8.30IST)2021**

**Weather advisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5 days in the block. The day temperature will be and it will be 26-28°C and night temperature will be 12-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-82% and 28-42% respectively. There will be mainly clear sky for next 5 days.

| Block                | Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 24/12/2021  | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)         | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 27  | 28         | 28         | 28         | 26         |
| T-Min(°C)            | 12  | 13         | 14         | 14         | 14         |
| Cloud Cover(octal)   | 0   | 0          | 1          | 0          | 0          |
| RH Max (%)           | 76  | 74         | 78         | 80         | 82         |
| RH Min (%)           | 28  | 35         | 36         | 37         | 42         |
| Wind Speed (Kmph)    | 5   | 6          | 7          | 7          | 9          |
| Wind Direction (deg) | 23  | 161        | 158        | 124        | 105        |

## Agromet Advisory

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

- **Vegetables:**
- **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- **Potato:**
- After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**. There are chances of **Leaf Blight** disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.
- **Tomato:**
- At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage **Whitefly** chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.
- **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting.
- At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

## Animal husbandry:

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

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



Bulletin No.-256

Date- 24/12/2021

## AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

### Forecasted period: Today(8.30IST) to 29<sup>th</sup>December (8.30IST)2021

**Weather advisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5days in the block. The day temperature will be 27-29°C and night temperature will be 13-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-92% and 25-41% respectively. There will be mainly clear sky for next 5days.

| Block                | Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 24/12/2021   | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 27   | 28         | 28         | 27         | 26         |
| T-Min(°C)            | 11   | 12         | 13         | 13         | 12         |
| Cloud Cover(octa)    | 0  | 0          | 1          | 0          | 0          |
| RH Max (%)           | 88   | 90         | 89         | 89         | 92         |
| RH Min (%)           | 25   | 36         | 41         | 40         | 39         |
| Wind Speed (Kmph)    | 3  | 5          | 6          | 5          | 6          |
| Wind Direction (deg) | 79   | 161        | 162        | 159        | 152        |

### Agromet Advisory

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect. There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.
- Tomato:**
- At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting.
- At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

### Animal husbandry:

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

Dr Sujata Sethy  
(Nodal officer)



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Debasish Jena

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



**Bulletin No.-256**  
**Date- 24/12/2021**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

**Forecasted period: Today(8.30IST) to 29<sup>th</sup> December (8.30IST)2021**

**Weather advisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5 days in the block. The day temperature will be 27-28°C and night temperature will be 16-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-84% and 31-43% respectively. There will be mainly clear sky for next 5 days.

| Block               | Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|---------------------|---|------------|------------|------------|------------|
| Date                | 24/12/2021                                      | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)        | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)           | 27  | 28         | 28         | 28         | 28         |
| T-Min(°C)           | 16  | 17         | 17         | 16         | 16         |
| Cloud Cover(octa)   | 0   | 0          | 1          | 0          | 0          |
| RH Max (%)          | 73  | 73         | 80         | 82         | 84         |
| RH Min (%)          | 31  | 40         | 40         | 40         | 43         |
| Wind Speed(Kmph)    | 6   | 7          | 8          | 9          | 10         |
| Wind Direction(deg) | 27  | 146        | 116        | 113        | 34         |

**Agromet Advisory**

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

• **Vegetables:**

• **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

• **Potato:**

• After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect. There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

• **Tomato:**

At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting.

At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in Brinjal, Tomato, Chilli, cole crops, for control spray imidacloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
**(Nodal officer)**



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**Debasish Jena**

**SMS (Agrometeorology)**

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



**Bulletin No.-256**  
**Date- 24/12/2021**

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

**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

**Forecasted period: Today(8.30IST) to 29<sup>th</sup>December (8.30IST)2021**

**Weatheradvisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5days in the block. The day temperature will be 26-28°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-83% and 29-42% respectively. There will be mainly clear sky for next 5days.

| Block                | Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 24/12/2021   | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 27   | 28         | 28         | 27         | 26         |
| T-Min(°C)            | 15   | 16         | 16         | 16         | 16         |
| Cloud Cover(octa)    | 0  | 0          | 1          | 0          | 0          |
| RH Max (%)           | 75   | 74         | 78         | 81         | 83         |
| RH Min (%)           | 29   | 36         | 37         | 37         | 42         |
| Wind Speed (Kmph)    | 6  | 7          | 7          | 8          | 9          |
| Wind Direction (deg) | 23   | 158        | 154        | 146        | 109        |

**Agromet Advisory**

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

- **Vegetables:**
- **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- **Potato:**
- After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**. There are chances of **Leaf Blight** disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.
- **Tomato:**  
At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage **Whitefly** chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.
- **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting.  
At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidacloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
**(Nodal officer)**



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**Debasish Jena**

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**Bulletin No.-256**  
**Date- 24/12/2021**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

**Forecasted period: Today(8.30IST) to 29<sup>th</sup>December (8.30IST)2021**

**Weather advisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5days in the block. The day temperature will be 26-28°C and night temperature will be 13-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-82% and 28-42% respectively. There will be mainly clear sky for next 5days.

| Block                | Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 24/12/2021  | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)         | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 27  | 28         | 28         | 27         | 26         |
| T-Min(°C)            | 13  | 14         | 14         | 14         | 15         |
| Cloud Cover(octa)    | 0   | 0          | 1          | 0          | 0          |
| RH Max (%)           | 75  | 74         | 78         | 80         | 82         |
| RH Min (%)           | 28  | 36         | 37         | 37         | 42         |
| Wind Speed (Kmph)    | 6   | 7          | 7          | 8          | 9          |
| Wind Direction (deg) | 27  | 158        | 154        | 146        | 105        |

**Agromet Advisory**

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect. There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.
- Tomato:**
- At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Debasish Jena**  
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# GRAMIN KRISHIMAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK

(A Unit of ICAR-National Rice Research Institute)

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

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR



Bulletin No.-256

Date- 24/12/2021

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

**Forecasted period: Today(8.30IST) to 29<sup>th</sup> December (8.30IST)2021**

**Weather advisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5days in the block. The day temperature will be 26-27°C and night temperature will be 12-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-79% and 39-51% respectively.

There will be mainly clear sky for next 5days.

| Block                | Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 24/12/2021   | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 26   | 27         | 27         | 27         | 26         |
| T-Min(°C)            | 12   | 12         | 13         | 13         | 12         |
| Cloud Cover(octa)    | 0  | 0          | 1          | 0          | 0          |
| RH Max (%)           | 69   | 71         | 76         | 79         | 77         |
| RH Min (%)           | 39   | 45         | 44         | 46         | 51         |
| Wind Speed (Kmph)    | 7  | 8          | 9          | 9          | 12         |
| Wind Direction (deg) | 154  | 120        | 110        | 110        | 68         |

## Agromet Advisory

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

### Vegetables:

• **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

### Potato:

• After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect. There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

### Tomato:

At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting.

At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in Brinjal, Tomato, Chilli, cole crops, for control spray imidacloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

### Animal husbandry:

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

Dr Sujata Sethy  
(Nodal officer)



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**Bulletin No.-256**  
**Date- 24/12/2021**

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.4°C from normal) and 12°C (-2.17°C from normal), respectively. Mean relative humidity of the district was around 66-75%.

**Forecasted period: Today(8.30IST) to 29<sup>th</sup> December (8.30IST)2021**

**Weather advisory:** Dry weather is forecasted for Today to Tuesday in upcoming 5 days in the block. The day temperature will be 26-28°C and night temperature will be 11-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-88% and 26-39% respectively. There will be mainly clear sky for next 5 days.

| Block                | Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 24/12/2021  | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 |
| Rainfall(mm)         | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 26  | 27         | 27         | 28         | 26         |
| T-Min(°C)            | 11  | 12         | 13         | 13         | 12         |
| Cloud Cover(octa)    | 0   | 0          | 1          | 0          | 0          |
| RH Max (%)           | 84  | 80         | 83         | 84         | 88         |
| RH Min (%)           | 26  | 37         | 39         | 39         | 39         |
| Wind Speed (Kmph)    | 4   | 6          | 6          | 6          | 7          |
| Wind Direction (deg) | 158   | 152        | 148        | 158        | 117        |

**Agro met Advisory**

**General Advisory:** Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

**Pulses:** Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

**Rabi-Groundnut:** The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:** The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamidiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage **Mustard sawfly** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**. There are chances of **Leaf Blight** disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.
- Tomato:**  
At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may be reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage **Whitefly** chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars may be observed in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting.  
At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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Bulletin No.-256  
 Date- 24/12/2021

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<https://play.google.com/store/apps/details?id=com.aas.meghdoot>

- Kindly install and use **“Damini mobile App”** for location specific for lightening forecast and warnings.

<https://play.google.com/store/apps/details?id=com.lightening.live.damini>

- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

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

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 (Nodal officer)



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