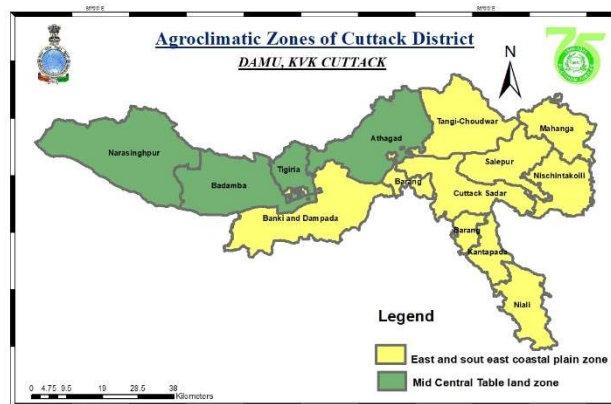
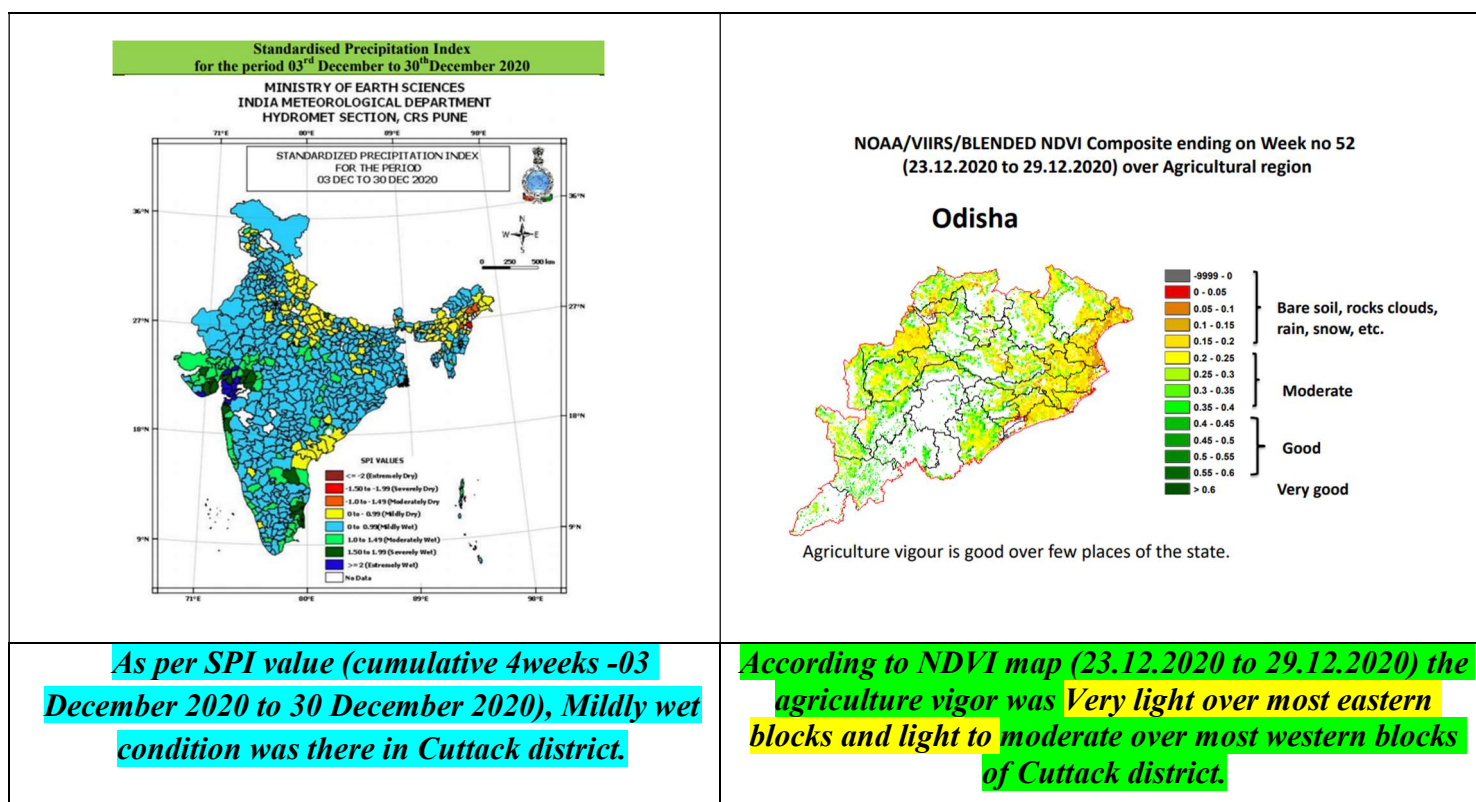


## AGROCLIMATIC ZONES OF CUTTACK DISTRICT:

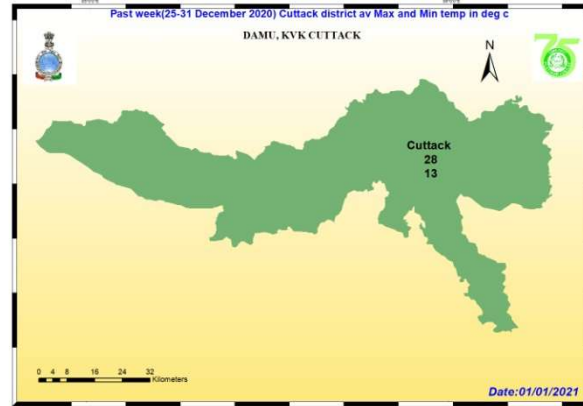
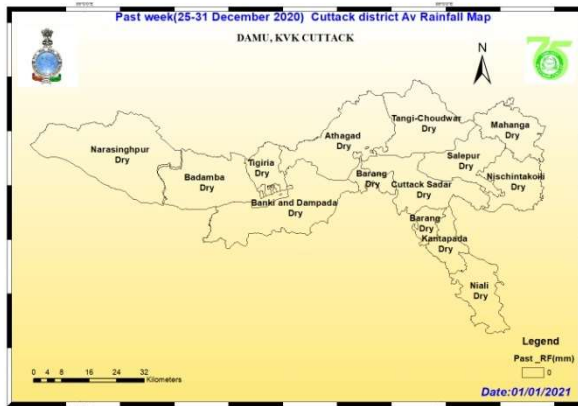


## STANDARD PRECIPITATION INDEX AND NDVI MAP

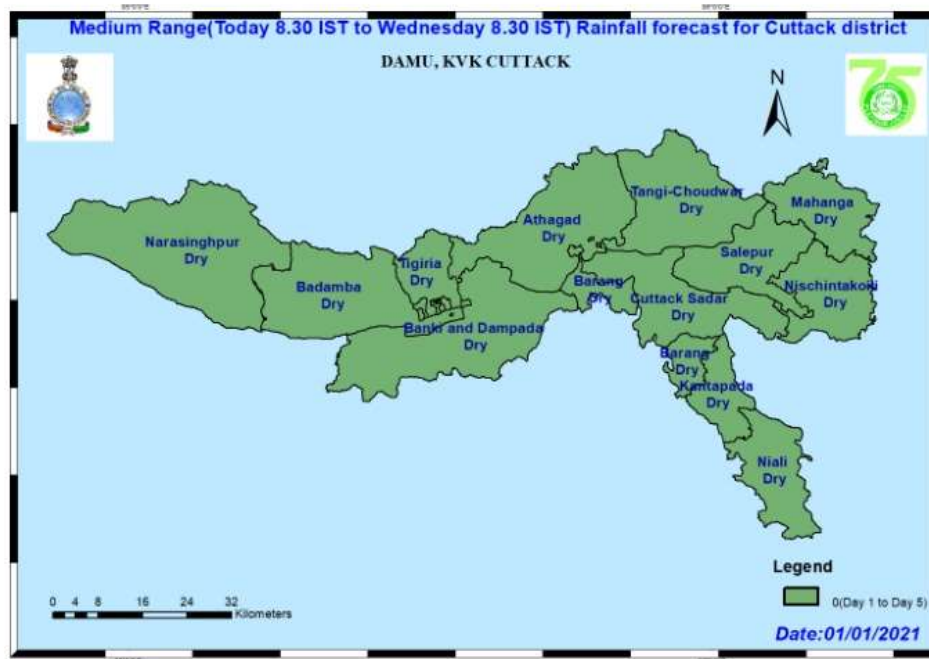


| <b>LEGEND(Medium range block level rainfall forecast)</b> |                              |
|---|------------------------------|
|   | No Rainfall                  |
|   | Very light to light rainfall |
|   | Light to moderate rainfall   |
|   | Moderate to heavy rainfall   |
|   | Heavy rainfall               |
|   | Very heavy rainfall          |
|   | Extremely heavy rainfall     |
















**Past week Cuttack district Rainfall and Temperature map**



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



**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                    |
|       |                                     |                                 |    | Black headed caterpillar |
|       |                                     |                                 |    | Powdery mildew           |
| 2     | Mustard                             | Vegetative stage                |    | Aphid                    |
|       |                                     |                                 |    | Saw fly                  |
|       |                                     |                                 |    | Leaf webber              |
| 3     | Rabi Groundnut                      | Vegetative stage                |   | Leaf Miner               |
| 4     | Vegetables (Tomato,Chilli, Brinjal) | Vegetative to fruiting          |  | Thrips                   |
|       |                                     |                                 |  | Mites                    |
|       |                                     |                                 |  | Chili Aphid              |
| 5     | Brinjal                             | Fruiting                        |  | Fruit and shoot borer    |
| 6     | Tomato                              | Vegetative                      |  | White fly                |
|       |                                     |                                 |  | Leaf Curl virus          |
|       |                                     | Fruiting                        |  | Late blight              |
| 7     | Potato                              | Sprouting/Vegetative stage      |  | Leaf Blight              |



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**Bulletin No.-155**  
**Date- 01/01/2021**

|   |                                      |                        |  |                         |
|---|--------------------------------------|------------------------|--|-------------------------|
| 8 | Cole crops (Cauliflower and cabbage) | Vegetative to fruiting |  | Leaf eating caterpillar |
|   |                                      |                        |  | Aphid                   |
|   |                                      |                        |  | Fruit borer             |
|   |                                      |                        |  | Diamond back moth       |
|   |                                      |                        |  | Tobacco Caterpillar     |

**Dr Sujata Sethy**  
(Nodal officer)



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**Bulletin No.-155**  
**Date- 01/01/2021**

**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weather advisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday(8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 13-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-67% and 19-27% respectively. There will be mainly clear to partly cloudy sky for next 5days.

| Block                | Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 02/01/2021  | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall (mm)        | 0   | 0          | 0          | 0          | 0          |
| T-Max (°C)           | 28  | 29         | 30         | 31         | 31         |
| T-Min (°C)           | 13  | 13         | 14         | 15         | 15         |
| Cloud Cover (octa)   | 2   | 1          | 1          | 0          | 1          |
| RH Max (%)           | 57  | 66         | 53         | 60         | 67         |
| RH Min (%)           | 27  | 25         | 24         | 19         | 20         |
| Wind Speed (kmph)    | 6   | 6          | 6          | 7          | 6          |
| Wind Direction (deg) | 72  | 72         | 72         | 68         | 75         |

**Agromet Advisory**

**General Advisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

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 and leaf webbers 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.

- Vegetables:**
- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. 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.
- POTATO:** 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. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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**Bulletin No.-155**  
**Date- 01/01/2021**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday(8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 12-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 64-68% and 19-29% respectively. There will be mainly clear to partly cloudy sky for next 5days.

| Block                | Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 02/01/2021                                       | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28   | 29         | 30         | 31         | 31         |
| T-Min(°C)            | 12   | 12         | 13         | 14         | 14         |
| Cloud Cover(octa)    | 2  | 1          | 1          | 0          | 1          |
| RH Max (%)           | 64   | 68         | 66         | 67         | 64         |
| RH Min (%)           | 29   | 24         | 23         | 19         | 19         |
| Wind Speed (Kmph)    | 5  | 5          | 6          | 6          | 6          |
| Wind Direction (deg) | 72   | 68         | 68         | 75         | 75         |

**Agromet Advisory**

**GeneralAdvisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

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 and leaf webbers 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.

- Vegetables:**
- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. 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.
- POTATO:** 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. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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**Bulletin No.-155**  
**Date- 01/01/2021**

**AGROMET ADVISORY BULLETIN FORBANKI**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 29-31°C and night temperature will be 12-14°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 60-68% and 19-28% respectively. There will be mainly clear to partly cloudy skyfor next 5days.

| Block                | Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 02/01/2021                                     | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 29   | 29         | 30         | 31         | 31         |
| T-Min(°C)            | 12   | 13         | 13         | 14         | 14         |
| Cloud Cover(octa)    | 2  | 1          | 1          | 0          | 1          |
| RH Max (%)           | 60   | 68         | 61         | 65         | 67         |
| RH Min (%)           | 28   | 24         | 23         | 19         | 19         |
| Wind Speed (Kmph)    | 6  | 6          | 6          | 7          | 6          |
| Wind Direction (deg) | 72   | 68         | 68         | 75         | 75         |

**Agromet Advisory**

**GeneralAdvisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon.Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

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 Chlorpyriphos 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 sawflyand leaf webberspray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

- **Vegetables:**
- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
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**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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**Bulletin No.-155**  
**Date- 01/01/2021**

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA**

**District Past week weather condition**

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weather Advisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 13-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-67% and 19-27% respectively. There will be mainly clear to partly cloudy sky for next 5days.

| Block                | Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 02/01/2021  | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)         | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28  | 29         | 30         | 31         | 31         |
| T-Min(°C)            | 13  | 13         | 14         | 14         | 15         |
| Cloud Cover(octa)    | 2   | 1          | 1          | 0          | 1          |
| RH Max (%)           | 59  | 67         | 59         | 64         | 67         |
| RH Min (%)           | 27  | 24         | 23         | 19         | 19         |
| Wind Speed (Kmph)    | 6   | 6          | 6          | 7          | 6          |
| Wind Direction (deg) | 72  | 68         | 68         | 75         | 75         |

**Agromet Advisory**

**General Advisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

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 and leaf webbers 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.

**Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. 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.
- **POTATO:** 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. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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**GRAMIN KRISHI MAUSAM SEWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
**(A Unit of ICAR-National Rice Research Institute)**  
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**Bulletin No.-155**  
**Date- 01/01/2021**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 13-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 44-63% and 19-25% respectively. There will be mainly clear to partly cloudy sky for next 5days.

| Block                | Baranga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 02/01/2021                                       | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28   | 29         | 30         | 30         | 31         |
| T-Min(°C)            | 13   | 13         | 14         | 15         | 15         |
| Cloud Cover          | 2  | 1          | 1          | 1          | 1          |
| RH Max (%)           | 54   | 59         | 44         | 54         | 63         |
| RH Min (%)           | 25   | 24         | 23         | 19         | 19         |
| Wind Speed (Kmph)    | 8  | 8          | 8          | 8          | 8          |
| Wind Direction (deg) | 68   | 68         | 68         | 90         | 75         |

**Agromet Advisory**

**GeneralAdvisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

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 and leaf webbers 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.

- Vegetables:**
- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. 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.
- POTATO:** 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. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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**Bulletin No.-155**  
**Date- 01/01/2021**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 14-16°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 43-61% and 19-25% respectively. There will be mainly clear to partly cloudy sky for next 5days.

| Block                | Cuttack sadar(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 02/01/2021   | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28   | 29         | 30         | 31         | 31         |
| T-Min(°C)            | 14   | 14         | 15         | 15         | 16         |
| Cloud Cover(octa)    | 2  | 1          | 1          | 0          | 1          |
| RH Max (%)           | 52   | 60         | 43         | 52         | 61         |
| RH Min (%)           | 25   | 24         | 23         | 19         | 20         |
| Wind Speed (Kmph)    | 8  | 7          | 7          | 8          | 7          |
| Wind Direction (deg) | 68   | 68         | 68         | 90         | 75         |

**Agromet Advisory**

**GeneralAdvisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon.Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**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 sawflyand leaf webberspray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water.Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. 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.
- POTATO: 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. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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**Bulletin No.-155**  
**Date- 01/01/2021**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 15-16°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 46-61% and 20-25% respectively. There will be mainly clear to partly cloudy sky for next 5days.

| Block                | Kantapada(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 02/01/2021   | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28   | 29         | 30         | 30         | 31         |
| T-Min(°C)            | 15   | 15         | 16         | 16         | 16         |
| Cloud Cover(octa)    | 2  | 2          | 1          | 1          | 1          |
| RH Max (%)           | 55   | 58         | 46         | 56         | 61         |
| RH Min (%)           | 24   | 25         | 22         | 20         | 20         |
| Wind Speed (Kmph)    | 9  | 8          | 8          | 9          | 8          |
| Wind Direction (deg) | 23   | 90         | 349        | 342        | 105        |

**Agromet Advisory**

**GeneralAdvisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon.Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**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 sawflyand leaf webberspray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. 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.
- POTATO: 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. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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**Bulletin No.-155**  
**Date- 01/01/2021**

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 39-54% and 21-26% respectively. There will be mainly clear to partly cloudy sky for next 5days.

| Block                | Mahanga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 02/01/2021                                       | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28   | 28         | 29         | 30         | 31         |
| T-Min(°C)            | 15   | 15         | 15         | 16         | 16         |
| Cloud Cover(octal)   | 2  | 1          | 1          | 0          | 1          |
| RH Max (%)           | 49   | 54         | 39         | 47         | 52         |
| RH Min (%)           | 25   | 26         | 21         | 21         | 21         |
| Wind Speed (Kmph)    | 9  | 8          | 8          | 8          | 8          |
| Wind Direction (deg) | 15   | 90         | 349        | 349        | 105        |

**Agromet Advisory**

**GeneralAdvisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**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 and leaf webbers 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.

**Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. 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.
- POTATO: 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. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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



**Bulletin No.-155**  
**Date- 01/01/2021**

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 12-14°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 57-73% and 19-29% respectively. There will be mainly clear to partly cloudy sky for next 5days.

| Block                | Narasinghpur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|---|------------|------------|------------|------------|
| Date                 | 02/01/2021  | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)         | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28  | 29         | 30         | 30         | 31         |
| T-Min(°C)            | 12  | 12         | 13         | 13         | 14         |
| Cloud Cover(/octa)   | 2   | 1          | 1          | 0          | 1          |
| RH Max (%)           | 71  | 66         | 73         | 65         | 57         |
| RH Min (%)           | 29  | 25         | 23         | 19         | 19         |
| Wind Speed (Kmph)    | 4   | 4          | 4          | 5          | 5          |
| Wind Direction (deg) | 68  | 72         | 90         | 68         | 135        |

**Agromet Advisory**

**GeneralAdvisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon.Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

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 Chlorpyriphos 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 sawflyand leaf webberspray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

- Vegetables:**
- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. 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.
- POTATO:** 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. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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**Debasish Jena**

**SMS (Agrometeorology)**

**Contact No-9861445080/7008453427**



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**Bulletin No.-155**  
**Date- 01/01/2021**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 50-62% and 21-26% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block               | Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|---------------------|---|------------|------------|------------|------------|
| Date                | 02/01/2021                                      | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)        | 0   | 0          | 0          | 0          | 0          |
| T-Max(°C)           | 28  | 29         | 30         | 30         | 31         |
| T-Min(°C)           | 15  | 16         | 15         | 16         | 16         |
| Cloud Cover(octa)   | 2   | 2          | 1          | 1          | 2          |
| RH Max (%)          | 56  | 60         | 50         | 59         | 62         |
| RH Min (%)          | 25  | 26         | 23         | 22         | 21         |
| Wind Speed(Kmph)    | 10  | 9          | 9          | 9          | 8          |
| Wind Direction(deg) | 23  | 23         | 15         | 23         | 105        |

**Agromet Advisory**

**GeneralAdvisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**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 and leaf webbers 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.

**Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. 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.
- POTATO: 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. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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**Bulletin No.-155**  
**Date- 01/01/2021**

**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDMI map (23.12.2020 to 29.12.2020) the agriculture vigor was**

**Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 39-53% and 21-26% respectively. There will be mainly clear to partly cloudy sky for next 5days.

| Block                | Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 02/01/2021   | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28   | 29         | 29         | 30         | 31         |
| T-Min(°C)            | 15   | 15         | 15         | 16         | 16         |
| Cloud Cover(octa)    | 2  | 1          | 1          | 1          | 1          |
| RH Max (%)           | 51   | 53         | 39         | 50         | 52         |
| RH Min (%)           | 25   | 26         | 21         | 21         | 21         |
| Wind Speed (Kmph)    | 9  | 8          | 8          | 8          | 8          |
| Wind Direction (deg) | 23   | 68         | 23         | 349        | 105        |

**Agromet Advisory**

**GeneralAdvisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**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 and leaf webbers 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.

**Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. 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.
- POTATO: 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. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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Bulletin No.-155  
Date- 01/01/2021

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 38-54% and 20-25% respectively. There will be mainly clear to partly cloudy sky for next 5days.

| Block                | Salepur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 02/01/2021                                       | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28   | 29         | 29         | 30         | 31         |
| T-Min(°C)            | 14   | 15         | 15         | 16         | 16         |
| Cloud Cover(octa)    | 2  | 1          | 1          | 0          | 1          |
| RH Max (%)           | 50   | 53         | 38         | 49         | 54         |
| RH Min (%)           | 25   | 25         | 22         | 20         | 20         |
| Wind Speed (Kmph)    | 9  | 8          | 8          | 8          | 8          |
| Wind Direction (deg) | 23   | 68         | 349        | 349        | 105        |

**Agromet Advisory**

**GeneralAdvisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

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 and leaf webbers 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.

**Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. 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.
- POTATO: 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. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

Dr Sujata Sethy  
(Nodal officer)



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**Bulletin No.-155**  
**Date- 01/01/2021**

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-30°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 50-58% and 28-33% respectively. There will be mainly clear to partly cloudy sky for next 5days.

| Block                | Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 02/01/2021   | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| T-Max(°C)            | 28   | 28         | 29         | 30         | 30         |
| T-Min(°C)            | 14   | 14         | 15         | 16         | 16         |
| Cloud Cover(octa)    | 2  | 2          | 1          | 2          | 2          |
| RH Max (%)           | 57   | 55         | 50         | 58         | 53         |
| RH Min (%)           | 32   | 33         | 28         | 31         | 29         |
| Wind Speed (Kmph)    | 12   | 11         | 11         | 11         | 10         |
| Wind Direction (deg) | 60   | 60         | 60         | 60         | 113        |

**Agromet Advisory**

**GeneralAdvisory:** Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature.**

**Pulses:**

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

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 and leaf webbers 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.

- **Vegetables:**
- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water
- To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. 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.
- POTATO: 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. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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

Email: kvkcuttack@gmail.com



Bulletin No.-155  
Date- 01/01/2021

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 13°C, respectively. Mean relative humidity of the district was around 68-76%. **According to NDVI map (23.12.2020 to 29.12.2020) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-03December2020 to 30 December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 29-31°C and night temperature will be 12-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-67% and 19-28% respectively. There will be mainly clear to partly cloudy sky for next 5days.

| Block                | Tigiria(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) |            |            |            |            |
|----------------------|--|------------|------------|------------|------------|
| Date                 | 02/01/2021                                       | 03/01/2021 | 04/01/2021 | 05/01/2021 | 06/01/2021 |
| Rainfall(mm)         | 0  | 0          | 0          | 0          | 0          |
| 00T-Max(°C)          | 29   | 29         | 30         | 31         | 31         |
| T-Min(°C)            | 12   | 13         | 13         | 14         | 14         |
| Cloud Cover(octa)    | 2  | 1          | 1          | 0          | 1          |
| RH Max (%)           | 60   | 67         | 59         | 63         | 67         |
| RH Min (%)           | 28   | 25         | 24         | 19         | 20         |
| Wind Speed (Kmph)    | 6  | 6          | 6          | 7          | 6          |
| Wind Direction (deg) | 72   | 68         | 68         | 68         | 75         |

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