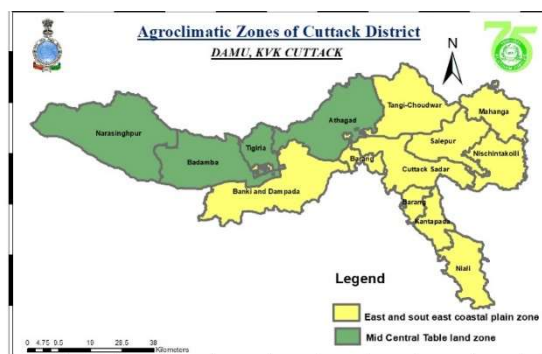
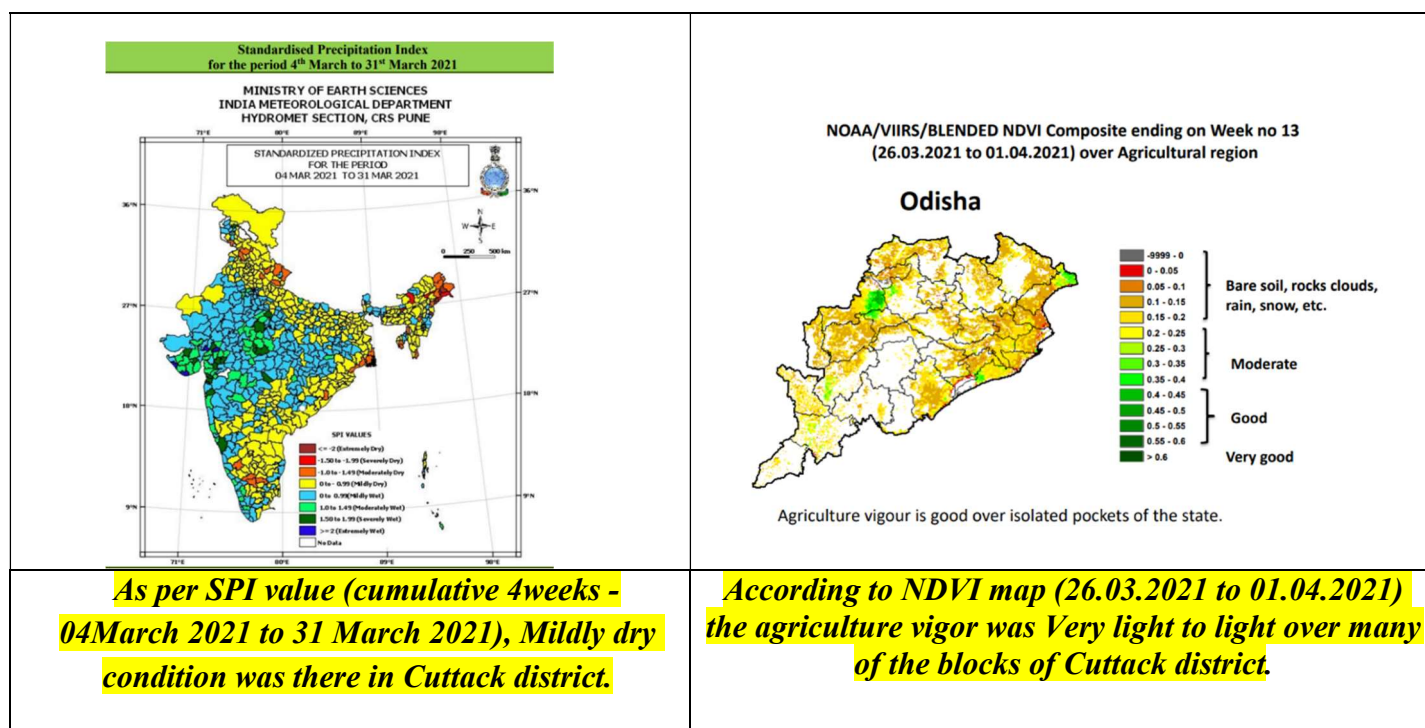


AGROCLIMATIC ZONES OF CUTTACK DISTRICT:

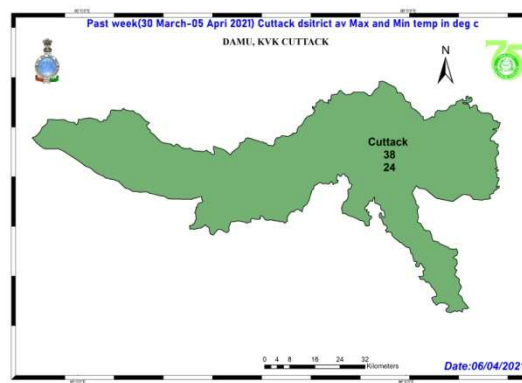
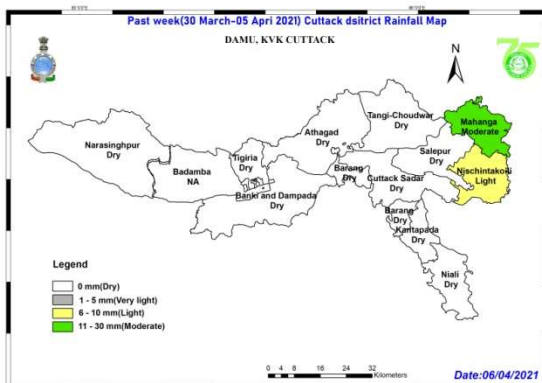


STANDARD PRECIPITATION INDEX AND NDVI MAP

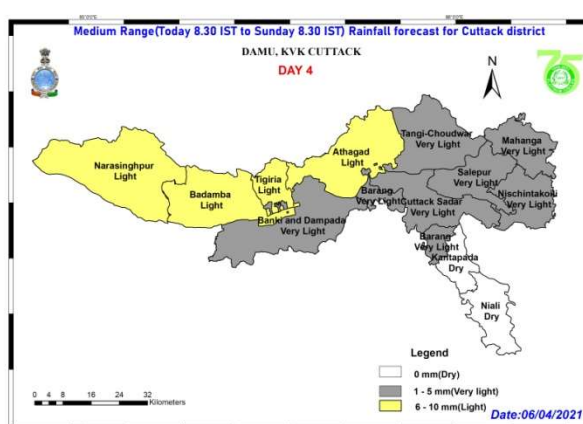
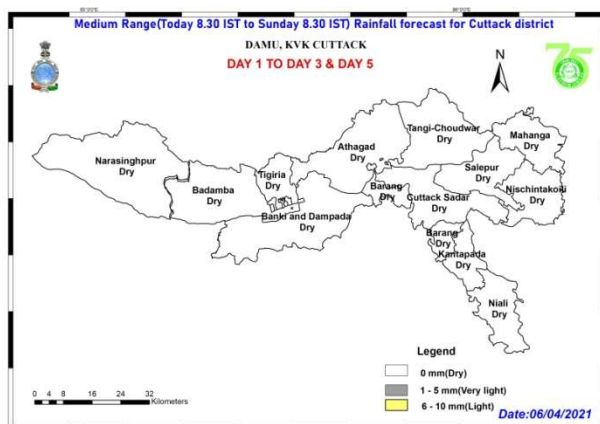


| LEGEND (Medium range block level rainfall forecast) | | |
|--|----------------------------|------------|
| | No Rainfall | 00 mm |
| | Very light rainfall | 01-05 mm |
| | Light rainfall | 06-10 mm |
| | Light to moderate rainfall | 11-30 mm |
| | Moderate to heavy rainfall | 31-65 mm |
| | Heavy rainfall | 66-115 mm |
| | Very heavy rainfall | 116-205 mm |
| | Extremely heavy rainfall | >206 mm |

Past week (30March-05 April 2021) Cuttack district Rainfall and Temperature map



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



**Extended range outlook for subsequent 1 week (6th to 12th days)
 (11th April to 17th April 2021)**

| Met Sub division | Departure (%) | Category |
|------------------|---------------|---------------------|
| Odisha | -73.33 | Below Normal |

General Agromet Advisory:- As there was mild dry condition in last four weeks at Cuttack district and also there will be below normal rainfall in subsequent week after 5 days (11th April to 17th April 2021) in Odisha condition, so farmers are advised to continue their irrigation activities based upon soil moisture status. *They should stop irrigation activities in upcoming friday as light rainfall/thundershower is forecasted in Cuttack district.*



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Bulletin No.-182
Date- 06/04/2021

General agromet advisory for forecasted Thunder storm/Lightening condition on Friday in Cuttack district

- In view of thunderstorm accompanied with gusty winds, provide mechanical support to orchards, staking in vegetables.
- If farmers are in the field and can't find any shelter, avoid the tallest object in the area. If only isolated trees are nearby, best protection is to crouch in the open.
- Keep animals away from open water, pond or river.
- Keep animals away from tractors and other metal farm equipment.
- Drain out excess water from standing crops.
- Cover the harvested produce (if in the field) with polythene sheet.
- Avoid contact with electrical equipment or cords.
- Keep away contact with anything metal - tractors, farm equipment and bicycles. As metal or other surfaces that conduct electricity.
- Don't allow your animals to congregate under trees. Watch your animals closely and try to keep them under your direct control.



Dr Sujata Sethy
(Nodal officer)


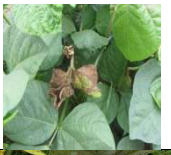










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Debasish Jena
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Weather (Past and Forecasted) based Disease and pest in Major Crops and vegetables






| Sl No | Crop | Stage and condition of the crop | Anticipated Disease and pest | |
|-------|------------------------------------|---------------------------------|--|-------------------------|
| 1 | Pulses (Green gram and black gram) | Flowering to pod development |  | Cercospera Leaf spot |
| | | |  | Leaf blight |
| | | |  | Rust |
| | | |  | Wilting |
| 2 | Brinjal | Fruiting |  | Fruit and shoot borer |
| | | |  | Phomopsis Blight |
| | | |  | Cercospera leaf spot |
| | | |  | Helicoverpa caterpillar |
| 3 | Tomato | Fruting |  | Bacterial wilt |
| 4 | Cucurbits | Flowering to Fruiting stage |  | Red Pumpkin beetle |



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| | | | | |
|--|--|--|--|---------------------|
| | | |  | Leaf spot |
| | | |  | Late blight |
| | | |  | Stem Rot |
| | | |  | Downy Mildew |
| | | |  | Fruit rot |

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weather advisory: *Light rainfall/Thundershower is forecasted for Friday and dry weather is forecasted for other 4 days in the block.* The day temperature will be 35-37°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-96% and 16-22% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block | Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall (mm) | 0 | 0 | 0 | 6 | 0 |
| T-Max (°C) | 35 | 37 | 35 | 35 | 35 |
| T-Min (°C) | 25 | 25 | 26 | 27 | 26 |
| Cloud Cover (octa) | 0 | 0 | 2 | 2 | 4 |
| RH Max (%) | 93 | 83 | 86 | 96 | 95 |
| RH Min (%) | 22 | 21 | 27 | 31 | 30 |
| Wind Speed (kmph) | 18 | 21 | 22 | 19 | 16 |
| Wind Direction (deg) | 193 | 201 | 193 | 167 | 189 |

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.*

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x 15 cm.

Rabi-Groundnut: Harvest matured groundnut and make their safe storage.

Mustard: The crops are now approaching the maturity stage. Harvest the crops before thundershower when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables:

Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1

Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb 75%WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/litre of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litre of water.

Cucurbits: To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/acre or Chlorpyriphos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew, leaf** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FOR BADAMBA

District Past week weather condition

The district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weather advisory: **Light rainfall/Thundershower is forecasted for Friday and dry weather is forecasted for other 4 days in the block.** The day temperature will be 35-38°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-90% and 19-29% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block | Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 6 | 0 |
| T-Max(°C) | 35 | 38 | 37 | 36 | 35 |
| T-Min(°C) | 24 | 24 | 25 | 26 | 26 |
| Cloud Cover(octa) | 0 | 0 | 2 | 3 | 4 |
| RH Max (%) | 86 | 79 | 80 | 89 | 90 |
| RH Min (%) | 23 | 19 | 26 | 28 | 29 |
| Wind Speed (Kmph) | 16 | 17 | 18 | 14 | 14 |
| Wind Direction (deg) | 180 | 180 | 162 | 167 | 158 |

Agromet Advisory

General advisory: **Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.**

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x 15 cm.

Rabi-Groundnut: Harvest matured groundnut and make their safe storage.

Mustard: The crops are now approaching the maturity stage. Harvest the crops before thundershower when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables:

Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1

Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litre of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litre of water.

Cucurbits: To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/acre or Chlorpyriphos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew, leaf** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FORBANKI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weather advisory: *Very light rainfall/Thundershower is forecasted for Friday and dry weather is forecasted for other 4 days in the block.* The day temperature will be 34-37°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-94% and 22-32% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block | Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 5 | 0 |
| T-Max(°C) | 35 | 37 | 36 | 35 | 34 |
| T-Min(°C) | 25 | 25 | 26 | 26 | 26 |
| Cloud Cover(octa) | 0 | 0 | 2 | 3 | 4 |
| RH Max (%) | 91 | 82 | 85 | 93 | 94 |
| RH Min (%) | 26 | 22 | 29 | 32 | 32 |
| Wind Speed (Kmph) | 18 | 21 | 22 | 18 | 16 |
| Wind Direction (deg) | 167 | 193 | 193 | 167 | 162 |

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.*

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litre of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litre of water.

Cucurbits: To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/acre or Chlorpyriphos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew, leaf** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

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High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week weather condition

The district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weather Advisory: *Very light rainfall/Thundershower is forecasted for Friday and dry weather is forecasted for other 4 days in the block.* The day temperature will be 34-37°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-94% and 22-33% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block | Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 4 | 0 |
| T-Max(°C) | 35 | 37 | 35 | 35 | 34 |
| T-Min(°C) | 25 | 25 | 26 | 26 | 26 |
| Cloud Cover(octa) | 0 | 0 | 2 | 3 | 3 |
| RH Max (%) | 91 | 82 | 85 | 94 | 94 |
| RH Min (%) | 26 | 22 | 30 | 33 | 33 |
| Wind Speed (Kmph) | 18 | 21 | 22 | 18 | 16 |
| Wind Direction (deg) | 180 | 203 | 198 | 167 | 169 |

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.*

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Rabi-Groundnut: Harvest matured groundnut and make their safe storage.

Mustard: The crops are now approaching the maturity stage. Harvest the crops before thundershower when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables:

Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1

Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL- Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits: To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyriphos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew, leaf** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weatheradvisory: *Very light rainfall/Thundershower is forecasted for Friday and dry weather is forecasted for other 4days in the block.* The day temperature will be 33-35°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-96% and 24-40% 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 | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 3 | 0 |
| T-Max(°C) | 34 | 35 | 33 | 33 | 33 |
| T-Min(°C) | 26 | 26 | 27 | 27 | 26 |
| Cloud Cover | 0 | 0 | 2 | 2 | 3 |
| RH Max (%) | 92 | 84 | 85 | 96 | 95 |
| RH Min (%) | 27 | 24 | 33 | 40 | 37 |
| Wind Speed (Kmph) | 19 | 24 | 25 | 21 | 17 |
| Wind Direction (deg) | 201 | 203 | 203 | 201 | 201 |

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.*

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycine or Plantomycine @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x 15 cm.

Rabi-Groundnut: Harvest matured groundnut and make their safe storage.

Mustard: The crops are now approaching the maturity stage. Harvest the crops before thundershower when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables:

Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRG-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1

Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litre of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litre of water.

Cucurbits: To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/acre or Chlorpyriphos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew, leaf** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weather advisory: Very light rainfall/Thundershower is forecasted for Friday and dry weather is forecasted for other 4 days in the block. The day temperature will be 34-35°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-97% and 22-36% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block | Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 3 | 0 |
| T-Max(°C) | 34 | 35 | 34 | 34 | 34 |
| T-Min(°C) | 26 | 26 | 27 | 27 | 26 |
| Cloud Cover(octa) | 0 | 0 | 1 | 2 | 3 |
| RH Max (%) | 93 | 86 | 85 | 97 | 95 |
| RH Min (%) | 24 | 22 | 30 | 36 | 33 |
| Wind Speed (Kmph) | 18 | 23 | 24 | 21 | 17 |
| Wind Direction (deg) | 201 | 201 | 203 | 198 | 203 |

Agromet Advisory

General advisory: Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If wilting will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Rabi-Groundnut: Harvest matured groundnut and make their safe storage.

Mustard: The crops are now approaching the maturity stage. Harvest the crops before thundershower when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables:

Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1

Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL: Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If phomopsis blight will occur in brinjal, then spray zineb75%WP 2gram/litre of water. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litre of water. If helicoverpa infestation will be found, spray Flunendiamide or indoxacarb 2ml/litre of water.

Cucurbits: To manage Red Pumpkin Beetle in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/acre or Chlorpyriphos 20% EC @ 400-ml/acre. Late Blight may happen due to rising day temperature. There are chances of infestation of Downy Mildew, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weather advisory: No rainfall/ dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 31-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-96% and 29-48% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block | Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 33 | 34 | 32 | 31 | 32 |
| T-Min(°C) | 26 | 26 | 27 | 26 | 26 |
| Cloud Cover(octa) | 0 | 0 | 1 | 2 | 2 |
| RH Max (%) | 90 | 83 | 83 | 96 | 93 |
| RH Min (%) | 30 | 29 | 37 | 48 | 45 |
| Wind Speed (Kmph) | 19 | 24 | 25 | 21 | 18 |
| Wind Direction (deg) | 203 | 203 | 203 | 201 | 203 |

Agromet Advisory

General advisory: Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If wilting will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x 15 cm.

Rabi-Groundnut: Harvest matured groundnut and make their safe storage.

Mustard: The crops are now approaching the maturity stage. Harvest the crops before thundershower when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables:

Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1

Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If phomopsis blight will occur in brinjal, then spray zineb75%WP 2gram/litre of water. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litre of water. If helioverpa infestation will be found, spray Flunendiamide or indoxacarb 2ml/litre of water.

Cucurbits: To manage Red Pumpkin Beetle in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/acre or Chlorpyriphos 20% EC @ 400-ml/acre. Late Blight may happen due to rising day temperature. There are chances of infestation of Downy Mildew, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week weather condition and Block past Rainfall condition

The block received 11mm and district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weather advisory: *Very light rainfall/Thundershower is forecasted for Friday and dry weather is forecasted for other 4 days in the block.* The day temperature will be and it will be 33-35°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-96% and 25-42% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block | Mahanga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 2 | 0 |
| T-Max(°C) | 34 | 35 | 34 | 33 | 34 |
| T-Min(°C) | 25 | 25 | 27 | 26 | 26 |
| Cloud Cover(octal) | 0 | 0 | 2 | 2 | 3 |
| RH Max (%) | 93 | 86 | 79 | 96 | 91 |
| RH Min (%) | 26 | 25 | 31 | 42 | 37 |
| Wind Speed (Kmph) | 18 | 23 | 24 | 21 | 18 |
| Wind Direction (deg) | 203 | 203 | 203 | 201 | 204 |

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.*

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x 15 cm.

Rabi-Groundnut: Harvest matured groundnut and make their safe storage.

Mustard: The crops are now approaching the maturity stage. Harvest the crops before thundershower when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables:

Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1

Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litre of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litre of water.

Cucurbits: To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/acre or Chlorpyriphos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot**, **leaf blight**, **stem rot**, **fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weather advisory: Light rainfall/Thundershower is forecasted for Friday and dry weather is forecasted for other 4 days in the block. The day temperature will be 35-39°C and night temperature will be 22-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-88% and 13-25% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block | Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 7 | 0 |
| T-Max(°C) | 37 | 39 | 39 | 38 | 35 |
| T-Min(°C) | 23 | 22 | 24 | 25 | 25 |
| Cloud Cover(/octa) | 0 | 0 | 2 | 2 | 4 |
| RH Max (%) | 80 | 79 | 75 | 87 | 88 |
| RH Min (%) | 17 | 13 | 19 | 22 | 25 |
| Wind Speed (Kmph) | 10 | 11 | 12 | 9 | 10 |
| Wind Direction (deg) | 180 | 180 | 159 | 153 | 165 |

Agromet Advisory

General advisory: Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If wilting will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x 15 cm.

Rabi-Groundnut: Harvest matured groundnut and make their safe storage.

Mustard: The crops are now approaching the maturity stage. Harvest the crops before thundershower when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables:

Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1

Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL: Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If phomopsis blight will occur in brinjal, then spray zineb 75%WP 2gram/litre of water. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/litre of water. If helioverpa infestation will be found, spray Flunendiamide or indoxacarb 2ml/litre of water.

Cucurbits: To manage Red Pumpkin Beetle in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/acre or Chlorpyriphos 20% EC @ 400-ml/acre. Late Blight may happen due to rising day temperature. There are chances of infestation of Downy Mildew, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weather advisory: No rainfall/ dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 32-34°C and night temperature will be 26°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-95% and 34-52% 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 | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 33 | 34 | 32 | 32 | 32 |
| T-Min(°C) | 26 | 26 | 26 | 26 | 26 |
| Cloud Cover(octa) | 0 | 0 | 1 | 2 | 3 |
| RH Max (%) | 88 | 81 | 82 | 95 | 91 |
| RH Min (%) | 34 | 35 | 42 | 52 | 51 |
| Wind Speed(Kmph) | 19 | 24 | 25 | 21 | 18 |
| Wind Direction(deg) | 203 | 203 | 203 | 203 | 204 |

Agromet Advisory

General advisory: Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If wilting will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Rabi-Groundnut: Harvest matured groundnut and make their safe storage.

Mustard: The crops are now approaching the maturity stage. Harvest the crops before thundershower when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables:

Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRG-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1

Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If phomopsis blight will occur in brinjal, then spray zineb75%WP 2gram/litr of water. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If helicoverpa infestation will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits: To manage Red Pumpkin Beetle in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyriphos 20% EC @ 400-ml/acre. Late Blight may happen due to rising day temperature. There are chances of infestation of Downy Mildew, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxchloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-182
Date- 06/04/2021

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

The block received 8 mm and district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weather advisory: *Very light rainfall/Thundershower is forecasted for Friday and dry weather is forecasted for other 4 days in the block.* The day temperature will be 32-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-96% and 26-44% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block | Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 2 | 0 |
| T-Max(°C) | 34 | 34 | 34 | 32 | 33 |
| T-Min(°C) | 25 | 26 | 27 | 26 | 26 |
| Cloud Cover(octa) | 0 | 0 | 2 | 2 | 3 |
| RH Max (%) | 92 | 85 | 80 | 96 | 91 |
| RH Min (%) | 28 | 26 | 32 | 44 | 40 |
| Wind Speed (Kmph) | 18 | 23 | 24 | 21 | 18 |
| Wind Direction (deg) | 203 | 203 | 203 | 201 | 204 |

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.*

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyrifos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x 15 cm.

Rabi-Groundnut: Harvest matured groundnut and make their safe storage.

Mustard: The crops are now approaching the maturity stage. Harvest the crops before thundershower when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables:

Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRG-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NRGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1

Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb 75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits: To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew, leaf** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sathy
(Nodal officer)



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Bulletin No.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weather advisory: Very light rainfall/Thundershower is forecasted for Friday and dry weather is forecasted for other 4 days in the block. The day temperature will be 32-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-96% and 25-43% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block | Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 3 | 0 |
| T-Max(°C) | 34 | 34 | 34 | 32 | 33 |
| T-Min(°C) | 25 | 26 | 27 | 26 | 26 |
| Cloud Cover(octa) | 0 | 0 | 1 | 2 | 3 |
| RH Max (%) | 93 | 85 | 81 | 96 | 92 |
| RH Min (%) | 27 | 25 | 32 | 43 | 38 |
| Wind Speed (Kmph) | 18 | 24 | 24 | 21 | 18 |
| Wind Direction (deg) | 203 | 203 | 203 | 201 | 204 |

Agromet Advisory

General advisory: Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If wilting will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyrifos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x 15 cm.

Rabi-Groundnut: Harvest matured groundnut and make their safe storage.

Mustard: The crops are now approaching the maturity stage. Harvest the crops before thundershower when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables:

Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRG-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NRBH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1

Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL: Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If phomopsis blight will occur in brinjal, then spray zineb 75%WP 2gram/litr of water. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/litr of water. If helicoverpa infestation will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits: To manage Red Pumpkin Beetle in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. Late Blight may happen due to rising day temperature. There are chances of infestation of Downy Mildew, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sathy
(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.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR
District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weatheradvisory: *Very light rainfall/Thundershower is forecasted for Friday and dry weather is forecasted for other 4days in the block.* The day temperature will be 33-35°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-91% and 42-58% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block | Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 4 | 0 |
| T-Max(°C) | 35 | 35 | 33 | 33 | 34 |
| T-Min(°C) | 26 | 27 | 27 | 26 | 26 |
| Cloud Cover(octa) | 0 | 0 | 1 | 2 | 2 |
| RH Max (%) | 84 | 81 | 81 | 91 | 88 |
| RH Min (%) | 42 | 44 | 51 | 57 | 58 |
| Wind Speed (Kmph) | 20 | 25 | 26 | 21 | 20 |
| Wind Direction (deg) | 203 | 203 | 203 | 203 | 207 |

Agromet Advisory

General advisory: Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Rabi-Groundnut: Harvest matured groundnut and make their safe storage.

Mustard: The crops are now approaching the maturity stage. Harvest the crops before thundershower when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables:

Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1

Brinjal:

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits: To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyriphos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot**, **leaf blight**, **stem rot**, **fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
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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.-182
Date- 06/04/2021

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 1.4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 81-58%.

Forecasted period: Today(8.30IST) to 11th April (8.30IST)2021

Weather advisory: Light rainfall/Thundershower is forecasted for Friday and dry weather is forecasted for other 4 days in the block. The day temperature will be 35-37°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-93% and 20-29% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

| Block | Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 07/04/2021 | 08/04/2021 | 09/04/2021 | 10/04/2021 | 11/04/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 6 | 0 |
| T-Max(°C) | 35 | 37 | 37 | 36 | 35 |
| T-Min(°C) | 25 | 25 | 26 | 26 | 26 |
| Cloud Cover(octa) | 0 | 0 | 2 | 3 | 4 |
| RH Max (%) | 91 | 82 | 84 | 93 | 93 |
| RH Min (%) | 22 | 20 | 26 | 29 | 28 |
| Wind Speed (Kmph) | 17 | 20 | 20 | 17 | 15 |
| Wind Direction (deg) | 167 | 193 | 167 | 162 | 165 |

Agromet Advisory

General advisory: Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower (Friday) and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Undertake summer deep ploughing after harvesting of the rabi season crops in the blocks to improve soil condition and to destroy the soil borne pathogen, insect pest pupae and weeds by exposing them to hot sun.

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Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyrifos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x 15 cm.

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Brinjal:

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Animal husbandry: Keep farm animals indoor during thunderstorm period.

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(Nodal officer)



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

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