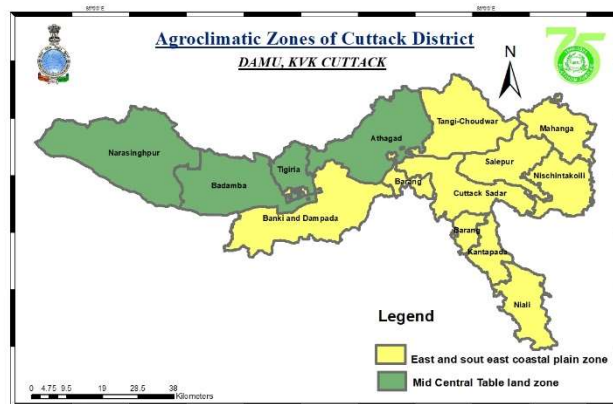
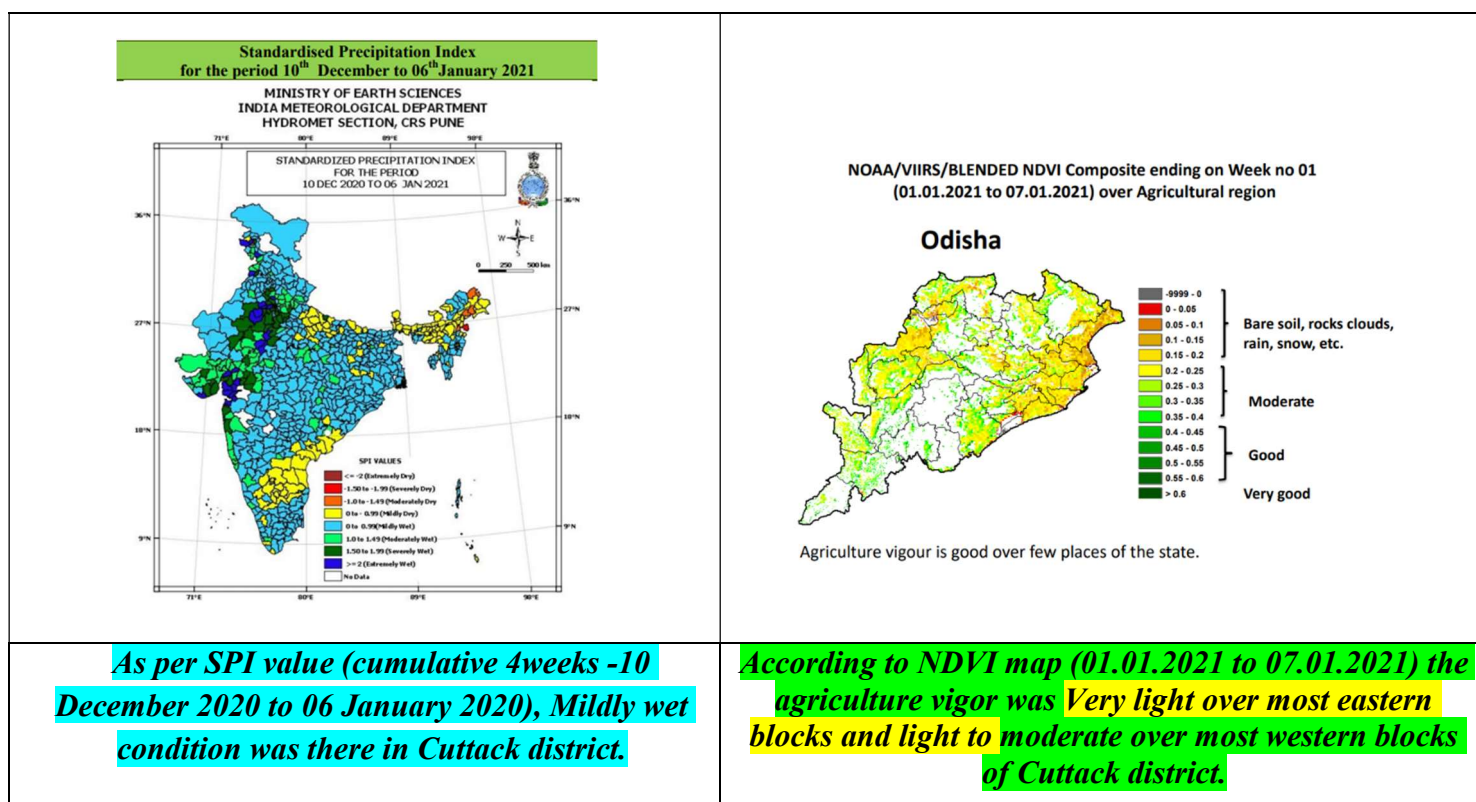


AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARD PRECIPITATION INDEX AND NDVI MAP



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

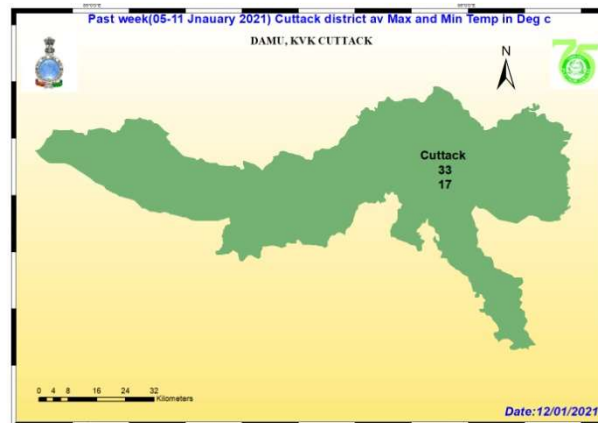


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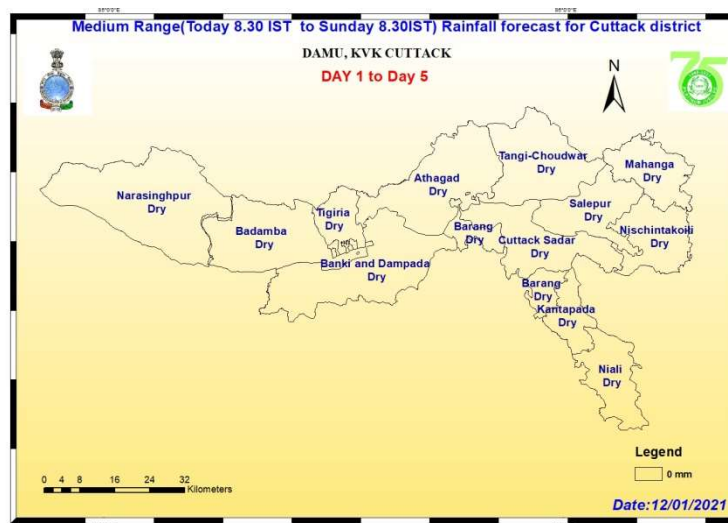


Bulletin No.-158
Date- 12/01/2021

Past week 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 (6 th to 12 th days) (17 th January to 23 rd January 2020) | | |
|--|---------------|----------|
| Met Sub division | Departure (%) | Category |
| Odisha | 4.3 | Normal |

Dr Sujata Sethy
 (Nodal officer)



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









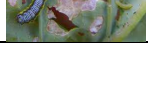
| Sl No | Crop | Stage and condition of the crop | Anticipated Disease and pest | |
|-------|--------------------------------------|---------------------------------|------------------------------|--------------------------|
| 1 | Pulses (Green gram and black gram) | Vegetative stage to flowering | | Aphid |
| | | | | Black headed caterpillar |
| | | | | Powdery mildew |
| | | | | YMV |
| 2 | Mustard | Vegetative stage to flowering | | Aphid |
| | | | | Saw fly |
| | | | | Leaf webber |
| | | | | Stink Bug |
| 3 | Rabi Groundnut | Vegetative stage to flowering | | Leaf Miner |
| | | | | Aphid and Mites |
| 4 | Vegetables (Tomato, Chilli, Brinjal) | Vegetative to fruiting | | Thrips |
| | | | | Mites |
| | | | | Chilli Aphid |
| 5 | Brinjal | Fruiting | | Fruit and shoot borer |
| 6 | Tomato | Vegetative | | White fly |



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Bulletin No.-158
Date- 12/01/2021

| | | | | |
|---|--------------------------------------|----------------------------|--|-------------------------|
| | | |  | Leaf Curl virus |
| | | Fruiting |  | Late blight |
| 7 | Potato | Sprouting/Vegetative stage |  | Leaf Blight |
| | | |  | Aphid |
| 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.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weather advisory: Minimum temperature will be likely to decrease in the upcoming 5 days. *No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block.* The day temperature will be 30-32°C and night temperature will be 13-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-97% and 26-36% respectively. There will be mainly clear sky for next 5days.

| Block | Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max (°C) | 32 | 31 | 30 | 31 | 31 |
| T-Min (°C) | 18 | 16 | 14 | 13 | 15 |
| Cloud Cover (octa) | 4 | 1 | 2 | 1 | 2 |
| RH Max (%) | 92 | 96 | 95 | 97 | 97 |
| RH Min (%) | 28 | 30 | 36 | 30 | 26 |
| Wind Speed (kmph) | 4 | 7 | 5 | 7 | 6 |
| Wind Direction (deg) | 135 | 158 | 135 | 210 | 158 |

Agromet Advisory

General Advisory: *No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Farmer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.*

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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride @ 0.2gm/lit.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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. To manage **aphids** and **thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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** and **stink bug** 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 and stink bugs 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:** **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weatheradvisory: Minimum temperature will be likely to decrease in the upcoming 5 days. *No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block.* The day temperature will be 31-32°C and night temperature will be 13-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-96% and 23-34% respectively. There will be mainly clear sky for next 5days.

| Block | Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 32 | 31 | 31 | 31 | 31 |
| T-Min(°C) | 17 | 15 | 14 | 13 | 14 |
| Cloud Cover(octa) | 3 | 1 | 1 | 2 | 2 |
| RH Max (%) | 93 | 96 | 96 | 94 | 95 |
| RH Min (%) | 28 | 28 | 34 | 30 | 23 |
| Wind Speed (Kmph) | 4 | 6 | 5 | 6 | 5 |
| Wind Direction (deg) | 165 | 162 | 153 | 203 | 195 |

Agromet Advisory

GeneralAdvisory: *No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Farmer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.*

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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride@0.2gm/lit.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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. To manage **aphids** and **thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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** and **stink bug** 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 and stink bugs 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:** **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weatheradvisory: Minimum temperature will be likely to decrease in the upcoming 5 days. *No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block.* The day temperature will be 31-32°C and night temperature will be 13-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-96% and 26-36% respectively. There will be mainly clear sky for next 5days.

| Block | Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 32 | 31 | 31 | 31 | 31 |
| T-Min(°C) | 16 | 15 | 14 | 13 | 14 |
| Cloud Cover(octa) | 4 | 1 | 2 | 2 | 2 |
| RH Max (%) | 92 | 95 | 95 | 96 | 96 |
| RH Min (%) | 28 | 30 | 36 | 32 | 26 |
| Wind Speed (Kmph) | 4 | 7 | 6 | 7 | 6 |
| Wind Direction (deg) | 165 | 158 | 158 | 203 | 169 |

Agromet Advisory

GeneralAdvisory: *No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Famer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.*

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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride@0.2gm/lit.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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.To manage **aphids and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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** and **stink bug** 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 and stink bugs 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**sprayEthofenprox 10 % EC @ 200-ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

- **Vegetables:** **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weather Advisory: Minimum temperature will be likely to decrease in the upcoming 5 days. No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 31-32°C and night temperature will be 13-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-96% and 26-36% respectively. There will be mainly clear sky for next 5days.

| Block | Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 32 | 31 | 31 | 31 | 31 |
| T-Min(°C) | 17 | 15 | 14 | 13 | 14 |
| Cloud Cover(octa) | 4 | 1 | 2 | 2 | 2 |
| RH Max (%) | 92 | 95 | 95 | 96 | 96 |
| RH Min (%) | 28 | 31 | 36 | 32 | 26 |
| Wind Speed (Kmph) | 4 | 7 | 6 | 6 | 6 |
| Wind Direction (deg) | 163 | 158 | 158 | 203 | 165 |

Agromet Advisory

General Advisory: No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Farmer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.

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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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 and stink bug 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 and stink bugs 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:** 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 emamectin benzoate 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.
- Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weatheradvisory: Minimum temperature will be likely to decrease in the upcoming 5 days. *No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block.* The day temperature will be 29-31°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-96% and 29-41% respectively. There will be mainly clear sky for next 5days.

| Block | Baranga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 31 | 30 | 29 | 30 | 30 |
| T-Min(°C) | 18 | 16 | 15 | 14 | 14 |
| Cloud Cover | 4 | 2 | 3 | 1 | 0 |
| RH Max (%) | 92 | 95 | 94 | 96 | 96 |
| RH Min (%) | 29 | 37 | 41 | 34 | 30 |
| Wind Speed (Kmph) | 5 | 8 | 6 | 7 | 7 |
| Wind Direction (deg) | 169 | 158 | 153 | 225 | 180 |

Agromet Advisory

GeneralAdvisory: *No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Farmer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.*

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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride@0.2gm/lit.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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. To manage **aphids and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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** and **stink bug** 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 and stink bugs 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:** **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weatheradvisory: Minimum temperature will be likely to decrease in the upcoming 5 days. *No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block.* The day temperature will be 30-31°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-96% and 27-39% respectively. There will be mainly clear sky for next 5days.

| Block | Cuttack sadar(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 31 | 30 | 30 | 31 | 30 |
| T-Min(°C) | 18 | 16 | 15 | 14 | 15 |
| Cloud Cover(octa) | 4 | 2 | 2 | 1 | 1 |
| RH Max (%) | 91 | 95 | 95 | 96 | 96 |
| RH Min (%) | 29 | 36 | 39 | 32 | 27 |
| Wind Speed (Kmph) | 5 | 7 | 5 | 7 | 7 |
| Wind Direction (deg) | 161 | 160 | 153 | 195 | 169 |

Agromet Advisory

GeneralAdvisory: *No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Famer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.*

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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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. To manage **aphids and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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** and **stink bug** 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 and stink bugs 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:** **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weatheradvisory: Minimum temperature will be likely to decrease in the upcoming 5 days. *No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block.* The day temperature will be 28-31°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-94% and 32-47% respectively. There will be mainly clear sky for next 5days.

| Block | Kantapada(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 31 | 29 | 28 | 29 | 30 |
| T-Min(°C) | 18 | 17 | 16 | 15 | 16 |
| Cloud Cover(octa) | 3 | 2 | 3 | 2 | 0 |
| RH Max (%) | 91 | 93 | 93 | 94 | 94 |
| RH Min (%) | 32 | 44 | 47 | 39 | 36 |
| Wind Speed (Kmph) | 6 | 8 | 7 | 8 | 9 |
| Wind Direction (deg) | 198 | 165 | 150 | 203 | 199 |

Agromet Advisory

GeneralAdvisory: *No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Famer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.*

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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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. To manage **aphids** and **thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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** and **stink bug** 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 and stink bugs 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:** **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weatheradvisory: Minimum temperature will be likely to decrease in the upcoming 5 days. *No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block.* The day temperature will be 28-31°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-95% and 29-45% respectively. There will be mainly clear sky for next 5days.

| Block | Mahanga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 31 | 29 | 28 | 30 | 30 |
| T-Min(°C) | 17 | 16 | 15 | 15 | 15 |
| Cloud Cover(octal) | 4 | 2 | 2 | 1 | 0 |
| RH Max (%) | 90 | 95 | 95 | 94 | 94 |
| RH Min (%) | 32 | 44 | 45 | 34 | 29 |
| Wind Speed (Kmph) | 6 | 7 | 5 | 7 | 7 |
| Wind Direction (deg) | 30 | 135 | 158 | 203 | 203 |

Agromet Advisory

GeneralAdvisory: *No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Farmer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.*

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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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. To manage **aphids** and **thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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** and **stink bug** 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 and stink bugs 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:** **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weatheradvisory: Minimum temperature will be likely to decrease in the upcoming 5 days. *No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block.* The day temperature will be 31-33°C and night temperature will be 13-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-98% and 19-30% respectively. There will be mainly clear sky for next 5days.

| Block | Narasinghpur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 33 | 32 | 32 | 31 | 31 |
| T-Min(°C) | 16 | 15 | 13 | 13 | 13 |
| Cloud Cover(/octa) | 3 | 1 | 1 | 1 | 1 |
| RH Max (%) | 93 | 98 | 98 | 93 | 92 |
| RH Min (%) | 26 | 25 | 30 | 27 | 19 |
| Wind Speed (Kmph) | 3 | 4 | 4 | 5 | 4 |
| Wind Direction (deg) | 162 | 180 | 195 | 210 | 203 |

Agromet Advisory

GeneralAdvisory: *No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Farmer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.*

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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride@0.2gm/lit.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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. To manage **aphids** and **thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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** and **stink bug** 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 and stink bugs 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:** **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weatheradvisory: Minimum temperature will be likely to decrease in the upcoming 5 days. No rainfall is forecasted for upcoming 5 days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-92% and 36-50% respectively. There will be mainly clear sky for next 5 days.

| Block | Niali(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|---------------------|--|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 31 | 29 | 28 | 29 | 29 |
| T-Min(°C) | 18 | 17 | 16 | 15 | 16 |
| Cloud Cover(octa) | 3 | 1 | 2 | 2 | 1 |
| RH Max (%) | 91 | 91 | 91 | 92 | 92 |
| RH Min (%) | 36 | 46 | 50 | 44 | 42 |
| Wind Speed(Kmph) | 6 | 8 | 7 | 9 | 10 |
| Wind Direction(deg) | 113 | 165 | 150 | 199 | 198 |

Agromet Advisory

GeneralAdvisory: No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Farmer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.

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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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 and stink bug 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 and stink bugs 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 WebbersprayEthofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

- **Vegetables:** 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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weatheradvisory: Minimum temperature will be likely to decrease in the upcoming 5 days. No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-95% and 30-47% respectively. There will be mainly clear sky for next 5days.

| Block | Nischintakoili(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 31 | 29 | 28 | 30 | 30 |
| T-Min(°C) | 18 | 15 | 15 | 14 | 15 |
| Cloud Cover(octa) | 4 | 2 | 3 | 1 | 0 |
| RH Max (%) | 90 | 95 | 95 | 94 | 94 |
| RH Min (%) | 32 | 45 | 47 | 35 | 30 |
| Wind Speed (Kmph) | 6 | 7 | 6 | 7 | 8 |
| Wind Direction (deg) | 30 | 135 | 158 | 207 | 203 |

Agromet Advisory

GeneralAdvisory: No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Farmer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.

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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lt or Acetamipride@0.2gm/lt.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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 and stink bug 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 and stink bugs 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 WebbersprayEthofenprox 10 % EC @ 200-ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

- Vegetables:** 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.
- Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.

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Bulletin No.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weatheradvisory: Minimum temperature will be likely to decrease in the upcoming 5 days. **No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block.** The day temperature will be 28-31°C and night temperature will be 13-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-95% and 30-45% respectively. There will be mainly clear sky for next 5days.

| Block | Salepur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max(°C) | 31 | 29 | 28 | 30 | 30 |
| T-Min(°C) | 17 | 16 | 14 | 13 | 14 |
| Cloud Cover(octa) | 4 | 2 | 2 | 1 | 0 |
| RH Max (%) | 90 | 95 | 95 | 94 | 94 |
| RH Min (%) | 31 | 44 | 45 | 34 | 30 |
| Wind Speed (Kmph) | 6 | 7 | 6 | 7 | 7 |
| Wind Direction (deg) | 30 | 135 | 161 | 207 | 203 |

Agromet Advisory

GeneralAdvisory: **No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Farmer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.**

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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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. To manage **aphids and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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** and **stink bug** 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 and stink bugs 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 Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

- **Vegetables:** **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDVI map (01.01.2021 to 07.01.2021) 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-10 December 2020 to 06 January 2021), Mildly wet condition was there.**

Forecasted period: Today (8.30 IST) to 17th January (8.30 IST) 2021

Weather advisory: Minimum temperature will be likely to decrease in the upcoming 5 days. No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-30°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-90% and 47-57% respectively. There will be mainly clear sky for next 5 days.

| Block | Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| T-Max (°C) | 30 | 29 | 28 | 29 | 30 |
| T-Min (°C) | 18 | 16 | 15 | 14 | 15 |
| Cloud Cover (octa) | 3 | 1 | 2 | 2 | 0 |
| RH Max (%) | 88 | 89 | 90 | 86 | 85 |
| RH Min (%) | 47 | 54 | 57 | 54 | 50 |
| Wind Speed (Kmph) | 10 | 10 | 8 | 10 | 12 |
| Wind Direction (deg) | 113 | 113 | 116 | 167 | 193 |

Agromet Advisory

General Advisory: No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Farmer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.

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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. 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. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-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 and stink bug 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 and stink bugs 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 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:** 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.
- Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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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(A Unit of ICAR-National Rice Research Institute)



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Bulletin No.-158
Date- 12/01/2021

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 33°C and 17°C, respectively. Mean relative humidity of the district was around 83-60%. **According to NDMI map (01.01.2021 to 07.01.2021) 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-10 December2020 to 06January 2021), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 17th January (8.30IST)2021

Weatheradvisory: Minimum temperature will be likely to decrease in the upcoming 5 days. No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 31-32°C and night temperature will be 13-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-97% and 25-35% respectively. There will be mainly clear sky for next 5days.

| Block | Tigiria(VAID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 13/01/2021 | 14/01/2021 | 15/01/2021 | 16/01/2021 | 17/01/2021 |
| Rainfall(mm) | 0 | 0 | 0 | 0 | 0 |
| 00T-Max(°C) | 32 | 31 | 31 | 31 | 31 |
| T-Min(°C) | 17 | 15 | 13 | 13 | 13 |
| Cloud Cover(octa) | 4 | 1 | 1 | 1 | 2 |
| RH Max (%) | 93 | 96 | 96 | 96 | 97 |
| RH Min (%) | 28 | 29 | 35 | 30 | 25 |
| Wind Speed (Kmph) | 5 | 7 | 5 | 7 | 6 |
| Wind Direction (deg) | 155 | 153 | 135 | 210 | 158 |

Agromet Advisory

GeneralAdvisory: No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Farmer should go for mulching by polythene or paddy straw to maintain the soil temperature in cold night condition. 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.

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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

Rabi-Groundnut:

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- **Vegetables:** 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.
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- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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.

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