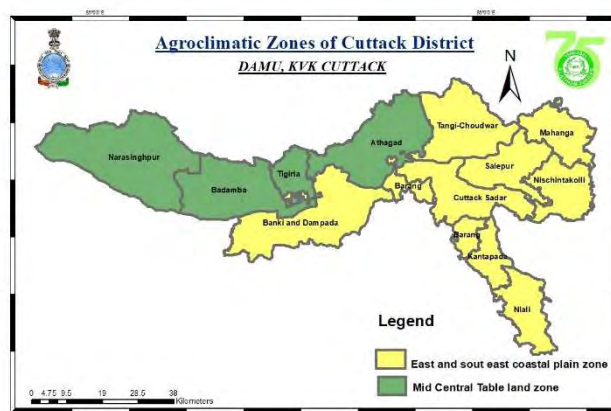
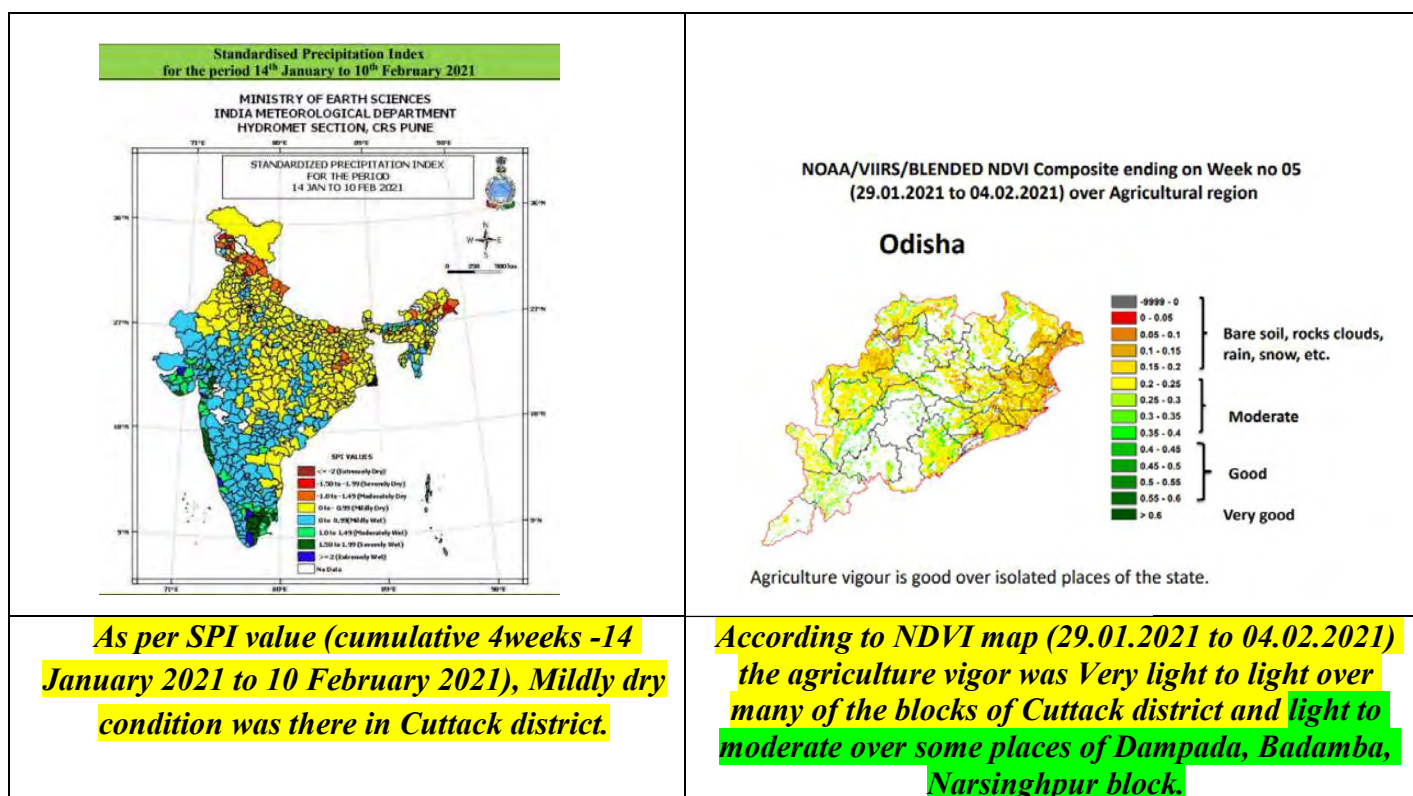


## AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



## STANDARD PRECIPITATION INDEX AND NDVI MAP



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

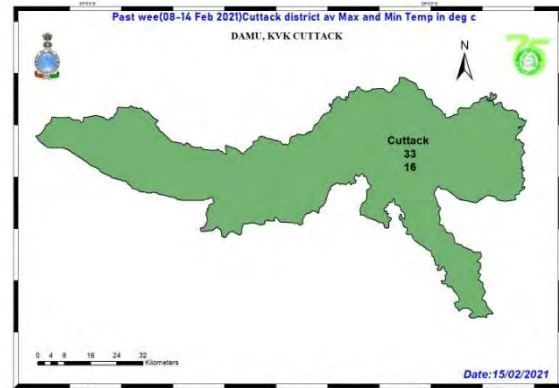
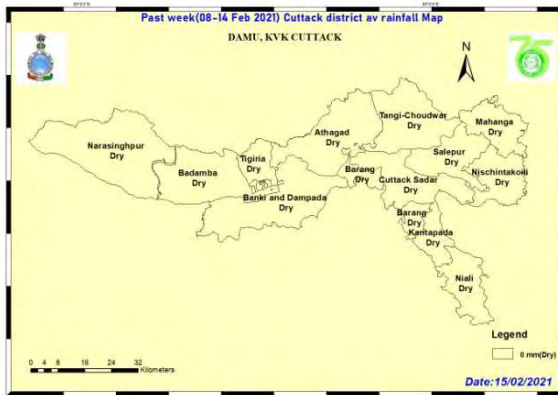


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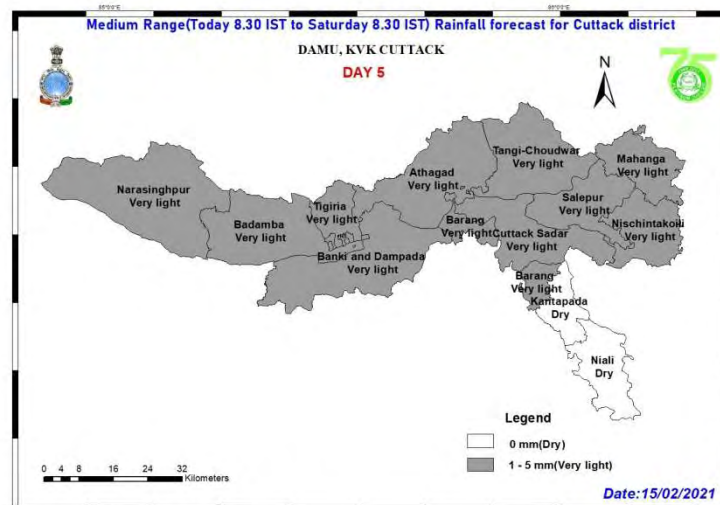
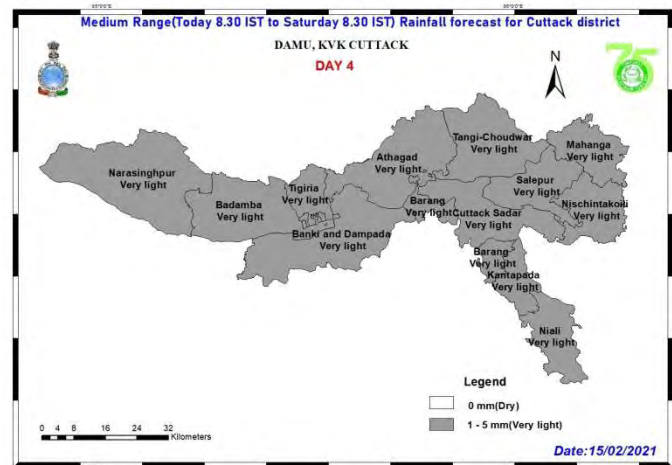
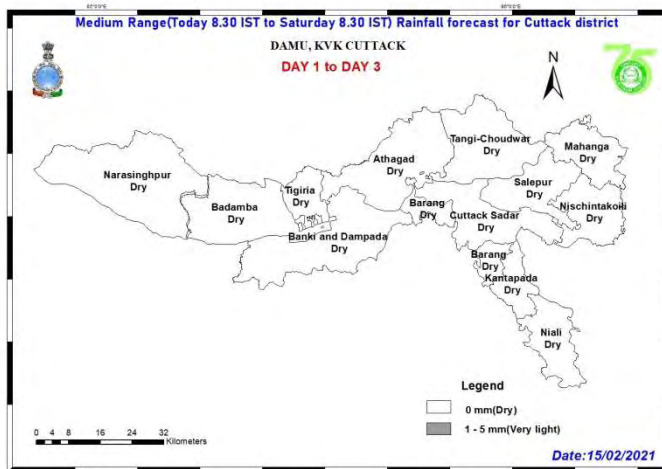


Bulletin No.-168  
Date- 15/02/2021

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



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



Dr Sujata Sethy  
(Nodal officer)
















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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		Black headed caterpillar
				Leaf crinkle virus
				Anthracnose
				Rust
2	Mustard	Vegetative stage to flowering		Powdery Mildew
				White Rust
				Painted Bug
				Aphid
				Alternaria blight
3	Rabi Groundnut	Vegetative stage to flowering		Aphid and Mites
				Spodotera/Tobacco caterpillar
4	Vegetables (Tomato, Chilli, Brinjal)	Vegetative to fruiting		Mites
				Chili Aphid







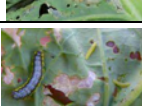









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**Bulletin No.-168**  
**Date- 15/02/2021**

6	Tomato	Flowering to Fruting		Late blight
				White fly
				Flower drop
7	Potato	Sprouting/Vegetative stage		Potato tuber moth
				Late blight
8	Cabbage and Cauliflower	Vegetative to Flowering		Diamond back moth
				Leaf eating caterpillar
				Fruit borer
9	Mango	Vegetative to Flowering		Mango hooper
				Mealy Bug
				Powdery Mildew
10	Papaya	Fruting stage		Mealy bug

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



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**Bulletin No.-168**  
**Date- 15/02/2021**

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup>February (8.30IST)2021**

**Weather advisory:** No rainfall/dry weather is forecasted for upcoming 3days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 2 days (Thursday 8.30 IST to Saturday 8.30 IST) in the block. The day temperature will be 31-33°C and night temperature will be 19-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-95% and 13-27% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall (mm)	0	0	0	3	1
T-Max (°C)	33	33	33	33	31
T-Min (°C)	19	19	19	20	21
Cloud Cover (octa)	0	0	4	2	2
RH Max (%)	92	95	55	57	69
RH Min (%)	13	20	19	17	27
Wind Speed (kmph)	9	11	8	7	6
Wind Direction (deg)	169	171	198	135	15

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day 5. They should keep the harvested paddy at safer places.

**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. There may be chances of **leaf crinkle disease** infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml/acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of **Anthraxnose and Rust disease** in Pulses. To manage these spray **Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.**

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids Mites 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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulphur apply 200 gram sulphur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propanil @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this spray Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 liter water. **Leaf eating caterpillar and fruit borer** may infest cabbage. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @ 80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits:** To control **mealy bug infestation** in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers.** To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

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



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**Debasish Jena**

**SMS (Agrometeorology)**

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**Bulletin No.-168**  
**Date- 15/02/2021**

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup>February (8.30IST)2021**

**Weather advisory:** No rainfall/dry weather is forecasted for upcoming 3 days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 2 days (Thursday 8.30 IST to Saturday 8.30 IST) in the block. The day temperature will be 32-34°C and night temperature will be 17-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-91% and 12-25% 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	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	4	2
T-Max(°C)	33	33	33	34	32
T-Min(°C)	17	17	18	20	19
Cloud Cover(octa)	0	0	4	3	2
RH Max (%)	89	91	54	56	72
RH Min (%)	12	18	17	16	25
Wind Speed (Kmph)	8	11	9	7	6
Wind Direction (deg)	199	195	158	161	15

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day 5. They should keep the harvested paddy at safer places.

**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. There may be chances of **leaf crinkle disease** infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of **Anthraxnose and Rust disease** in Pulses. To manage these spray **Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.**

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids** **Mites 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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulphur apply 200 gram sulphur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propanil @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 litre water. **Leaf eating caterpillar and fruit borer** may infest cabbage. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
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- Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits:** To control **mealy bug infestation in papaya, guava, mango** wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
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**Dr Sujata Sethy**  
**(Nodal officer)**



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**Bulletin No.-168**  
**Date- 15/02/2021**

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup>February (8.30IST)2021**

**Weather advisory:** No rainfall/dry weather is forecasted for upcoming 3days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 2 days (Thursday 8.30 IST to Saturday 8.30 IST) in the block. The day temperature will be 32-34°C and night temperature will be 18-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-92% and 12-26% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	3	1
T-Max(°C)	34	34	33	33	32
T-Min(°C)	18	18	18	20	19
Cloud Cover(octa)	0	0	4	2	2
RH Max (%)	91	92	55	58	71
RH Min (%)	12	19	18	17	26
Wind Speed (Kmph)	8	11	9	8	7
Wind Direction (deg)	199	195	225	158	23

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day5. They should keep the harvested paddy at safer places.

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



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**Bulletin No.-168**  
**Date- 15/02/2021**

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup>February (8.30IST)2021**

**Weather Advisory:** No rainfall/dry weather is forecasted for upcoming 3days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 2 days (Thursday 8.30 IST to Saturday 8.30 IST) in the block. The day temperature will be 32-34°C and night temperature will be 18-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-93% and 12-25% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	3	1
T-Max(°C)	34	33	33	33	32
T-Min(°C)	18	18	18	20	19
Cloud Cover(octa)	0	0	4	2	2
RH Max (%)	91	93	55	58	70
RH Min (%)	12	20	18	17	25
Wind Speed (Kmph)	8	11	9	8	7
Wind Direction (deg)	199	189	225	158	23

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day 5. They should keep the harvested paddy at safer places.

**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. There may be chances of **leaf crinkle disease** infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml/acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of **Anthraxnose and Rust disease** in Pulses. To manage these spray **Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.**

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids Mites 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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulfur apply 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propeconazole @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- **Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- **Potato:** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @ 80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- **Fruits:** To control **mealy bug infestation** in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- **Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers.** To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

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



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**Debasish Jena**

**SMS (Agrometeorology)**

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



**Bulletin No.-168**  
**Date- 15/02/2021**

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup>February (8.30IST)2021**

**Weather advisory:** No rainfall/dry weather is forecasted for upcoming 3 days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 2 days (Thursday 8.30 IST to Saturday 8.30 IST) in the block. The day temperature will be 31-34°C and night temperature will be 18-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-95% and 13-25% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	2	1
T-Max(°C)	34	33	32	32	31
T-Min(°C)	19	18	19	20	20
Cloud Cover	0	0	3	2	2
RH Max (%)	94	95	57	54	68
RH Min (%)	13	23	21	19	25
Wind Speed (Kmph)	9	11	8	8	8
Wind Direction (deg)	195	197	169	270	338

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day 5. They should keep the harvested paddy at safer places.

**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. There may be chances of **leaf crinkle disease** infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of **Anthraxnose and Rust disease** in Pulses. To manage these spray **Metaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.**

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids** **Mites 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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulphur apply 200 gram sulphur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propanil @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage **late blight** in potato spray Metaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits:** To control **mealy bug infestation in papaya, guava, mango** wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers.** To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

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



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**Debasish Jena**

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**Email: kvkcuttack@gmail.com**



**Bulletin No.-168**  
**Date- 15/02/2021**

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup>February (8.30IST)2021**

**Weather advisory:** No rainfall/dry weather is forecasted for upcoming 3 days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 2 days (Thursday 8.30 IST to Saturday 8.30 IST) in the block. The day temperature will be 31-33°C and night temperature will be 19-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-95% and 13-26% 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	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	2	1
T-Max(°C)	33	33	32	32	31
T-Min(°C)	19	19	19	20	21
Cloud Cover(octa)	0	0	4	2	2
RH Max (%)	94	95	57	55	65
RH Min (%)	13	22	21	19	26
Wind Speed (Kmph)	8	10	8	8	8
Wind Direction (deg)	180	171	161	105	341

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day 5. They should keep the harvested paddy at safer places.

**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. There may be chances of **leaf crinkle disease** infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml/acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of **Anthraxnose and Rust disease** in Pulses. To manage these spray **Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.**

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids Mites 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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulfur apply 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propeconazole @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @ 80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits:** To control **mealy bug infestation in papaya, guava, mango** wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers.** To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

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



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**Bulletin No.-168**  
**Date- 15/02/2021**

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup>February (8.30IST)2021**

**Weather advisory:** No rainfall/dry weather is forecasted for upcoming 3days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 1 days (Thursday 8.30 IST to Friday 8.30 IST) with one dry day on Friday in the block. The day temperature will be 32-34°C and night temperature will be 19°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-94% and 15-26% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Kantapada(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	2	0
T-Max(°C)	34	32	32	32	32
T-Min(°C)	19	19	19	19	19
Cloud Cover(octa)	0	0	3	1	1
RH Max (%)	94	94	60	54	67
RH Min (%)	15	26	23	21	23
Wind Speed (Kmph)	9	11	9	8	10
Wind Direction (deg)	203	200	162	296	360

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day5. They should keep the harvested paddy at safer places.

**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. There may be chances of **leaf crinkle disease** infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of **Anthraxnose and Rust disease** in Pulses. To manage these spray **Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.**

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids** **Mites 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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulphur apply 200 gram sulphur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propanil @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 litre water. **Leaf eating caterpillar and fruit borer** may infest cabbage. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits:** To control **mealy bug infestation in papaya, guava, mango** wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers.** To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

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



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**Debasish Jena**

**SMS (Agrometeorology)**

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**Bulletin No.-168**  
**Date- 15/02/2021**

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup>February (8.30IST)2021**

**Weather advisory:** No rainfall/dry weather is forecasted for upcoming 3days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 2 days (Thursday 8.30 IST to Saturday 8.30 IST) in the block. The day temperature will be 31-33°C and night temperature will be 18-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-94% and 16-25% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Mahanga(VAID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	2	1
T-Max(°C)	33	33	32	32	31
T-Min(°C)	18	18	19	19	21
Cloud Cover(octal)	0	0	3	2	2
RH Max (%)	94	93	64	54	62
RH Min (%)	16	25	24	24	25
Wind Speed (Kmph)	9	10	7	9	9
Wind Direction (deg)	207	203	158	105	11

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day5. They should keep the harvested paddy at safer places.

**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. There may be chances of **leaf crinkle disease** infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of **Anthraxnose and Rust disease** in Pulses. To manage these spray **Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.**

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids** **Mites 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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulphur apply 200 gram sulphur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propanil @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 litre water. **Leaf eating caterpillar and fruit borer** may infest cabbage. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits:** To control **mealy bug infestation in papaya, guava, mango** wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers.** To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

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



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**Bulletin No.-168**  
**Date- 15/02/2021**

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup>February (8.30IST)2021**

**Weather advisory:** No rainfall/dry weather is forecasted for upcoming 3 days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 2 days (Thursday 8.30 IST to Saturday 8.30 IST) in the block. The day temperature will be 32-34°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-87% and 13-24% 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	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	4	2
T-Max(°C)	32	33	32	34	32
T-Min(°C)	16	16	17	18	17
Cloud Cover(/octa)	0	0	4	3	2
RH Max (%)	84	87	54	55	75
RH Min (%)	13	16	17	16	24
Wind Speed (Kmph)	6	7	7	5	4
Wind Direction (deg)	169	195	333	165	63

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day 5. They should keep the harvested paddy at safer places.

**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. There may be chances of **leaf crinkle disease** infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml/acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of **Anthraxnose and Rust disease** in Pulses. To manage these spray **Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.**

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids** **Mites 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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulphur apply 200 gram sulphur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propanil @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 litre water. **Leaf eating caterpillar and fruit borer** may infest cabbage. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits:** To control **mealy bug infestation in papaya, guava, mango** wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers.** To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

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



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**Bulletin No.-168**  
**Date- 15/02/2021**

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> February (8.30IST)2021**

**Weather advisory:** No rainfall/dry weather is forecasted for upcoming 3 days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 1 days (Thursday 8.30 IST to Friday 8.30 IST) with one dry day on Friday in the block. The day temperature will be 32-34°C and night temperature will be 18-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-94% and 20-30% respectively. There will be mainly clear sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	2	0
T-Max(°C)	34	32	32	32	32
T-Min(°C)	19	19	18	19	18
Cloud Cover(octa)	0	0	2	1	0
RH Max (%)	94	92	65	56	65
RH Min (%)	20	30	24	22	24
Wind Speed(Kmph)	9	11	9	8	10
Wind Direction(deg)	203	200	162	108	15

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day 5. They should keep the harvested paddy at safer places.

**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. There may be chances of **leaf crinkle disease** infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of **Anthraxnose and Rust disease** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids** **Mites 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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulfur apply 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propanazole @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 liter water. **Leaf eating caterpillar and fruit borer** may infest cabbage. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @ 80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits:** To control **mealy bug infestation** in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying. **Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

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



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Bulletin No.-168  
Date- 15/02/2021

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> February (8.30IST)2021**

**Weather advisory:** No rainfall/dry weather is forecasted for upcoming 3 days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 2 days (Thursday 8.30 IST to Saturday 8.30 IST) in the block. The day temperature will be 32-33°C and night temperature will be 18-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-95% and 16-26% 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	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	2	1
T-Max(°C)	33	33	32	32	32
T-Min(°C)	18	18	19	19	20
Cloud Cover(octa)	0	0	4	2	1
RH Max (%)	95	94	64	53	63
RH Min (%)	16	26	23	24	24
Wind Speed (Kmph)	9	10	8	8	10
Wind Direction (deg)	203	203	162	105	19

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day 5. They should keep the harvested paddy at safer places.

**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. There may be chances of **leaf crinkle disease** infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of **Anthraxnose and Rust disease** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids** **Mites 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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulfur apply 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propeconazole @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 liter water. **Leaf eating caterpillar and fruit borer** may infest cabbage. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @ 80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits:** To control **mealy bug infestation** in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers.** To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy  
(Nodal officer)



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Bulletin No.-168

Date- 15/02/2021

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup>February (8.30IST)2021**

**Weather advisory:** No rainfall/dry weather is forecasted for upcoming 3days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 2 days (Thursday 8.30 IST to Saturday 8.30 IST) in the block. The day temperature will be 31-33°C and night temperature will be 18-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-95% and 15-25% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	3	1
T-Max(°C)	33	33	32	32	31
T-Min(°C)	18	18	19	19	21
Cloud Cover(octa)	0	0	4	2	2
RH Max (%)	95	94	62	53	63
RH Min (%)	15	25	23	23	25
Wind Speed (Kmph)	9	10	8	8	9
Wind Direction (deg)	207	198	162	293	11

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day 5. They should keep the harvested paddy at safer places.

**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. There may be chances of leaf crinkle disease infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of Anthracnose and Rust disease in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids Mites 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. For control of Bihary hairy caterpillar and spodotera go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulfur apply 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control white rust disease in mustard, spray Copper oxychloride @ 3g per litre of water. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the leaf blight of mustard, spray mancozeb @ 3 gram per liter or propeconazole @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. Harvest the matured heads and Curds in the upcoming dry days. Due to fluctuating temperature condition there may be an attack of Diamond Back Moth in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 liter water. Leaf eating caterpillar and fruit borer may infest cabbage. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Due to water stress, deficiency of boron due to hormonal disbalance flower drop occurs. Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage late blight in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control white fly Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** There are chances of Potato Tuber Moth infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @ 80- ml/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development. Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits:** To control mealy bug infestation in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- Mango:** Present weather conditions are favourable for the incidence of Mango hoppers. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of powdery mildew in Mango. spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy  
(Nodal officer)



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**Bulletin No.-168**  
**Date- 15/02/2021**

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> February (8.30IST)2021**

**Weather advisory:** No rainfall/dry weather is forecasted for upcoming 3 days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 2 days (Thursday 8.30 IST to Saturday 8.30 IST) in the block. The day temperature will be 32°C and night temperature will be 21-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-93% and 30-42% 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	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	3	1
T-Max(°C)	32	32	32	32	32
T-Min(°C)	21	21	22	22	22
Cloud Cover(octa)	0	0	4	2	1
RH Max (%)	93	90	73	59	62
RH Min (%)	36	42	33	31	30
Wind Speed (Kmph)	11	12	10	11	12
Wind Direction (deg)	240	240	162	108	108

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day 5. They should keep the harvested paddy at safer places.

**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. There may be chances of **leaf crinkle disease** infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of **Anthraxnose and Rust disease** in Pulses. To manage these spray **Metaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.**

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids** **Mites 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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulfur apply 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propanazol @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water. **Leaf eating caterpillar and fruit borer** may infest cabbage. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @ 80- ml/acre. To manage **late blight** in potato spray Metaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits:** To control **mealy bug infestation in papaya, guava, mango** wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers.** To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

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



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Bulletin No.-168  
Date- 15/02/2021

**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 16°C, respectively. Mean relative humidity of the district was around 80-56%.

**Forecasted period: Today(8.30IST) to 20<sup>th</sup>February (8.30IST)2021**

**Weatheradvisory:** No rainfall/dry weather is forecasted for upcoming 3days (Today (8.30IST) to Thursday (8.30 IST)) and very light rainfall is forecasted for next 2 days (Thursday 8.30 IST to Saturday 8.30 IST) in the block. The day temperature will be 31-34°C and night temperature will be 18-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-94% and 13-26% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Tigiria(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/02/2021	17/02/2021	18/02/2021	19/02/2021	20/02/2021
Rainfall(mm)	0	0	0	5	2
00T-Max(°C)	34	34	33	34	31
T-Min(°C)	18	18	19	20	20
Cloud Cover(octa)	0	0	4	3	2
RH Max (%)	91	94	55	57	70
RH Min (%)	13	18	18	17	26
Wind Speed (Kmph)	9	11	9	7	7
Wind Direction (deg)	191	180	203	135	15

**Agromet Advisory**

**General advisory:** Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc after the forecasted rainfall. If seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. Farmers should stop irrigation, pesticide and fertiliser application mainly on day 3 to day 5. They should keep the harvested paddy at safer places.

**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. There may be chances of leaf crinkle disease infestation due to past foggy and cold conditions. To manage the insect vector of the disease like whitefly and aphid spray Thiamethoxam 25% W. G @ 40 gram/acre or Acetamiprid 20% S.P. @ 50 gram/acre or Imidacloprid 17.8% SL @ 60-ml acre by mixing in 200 litre of water in 15 days interval. There may be chances of infestation of Anthracnose and Rust disease in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

**Rabi-Groundnut:** Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids Mites 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. For control of Bihary hairy caterpillar and spodotera go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre.

**Mustard:** As there are no chances of rainfall so one irrigation is needed at 50-60 days old plants. To meet the deficiency of Sulfur apply 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control white rust disease in mustard, spray Copper oxychloride @ 3g per litre of water. Painted bug and Aphid attack may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the leaf blight of mustard, spray mancozeb @ 3 gram per liter or propeconazole @ 1 ml per liter at 15 days interval for 2-3 times.

**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.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. Harvest the matured heads and Curds in the upcoming dry days. Due to fluctuating temperature condition there may be an attack of Diamond Back Moth in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l. Present humid weather may cause Powdery mildew in cabbage, to control this spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water. Leaf eating caterpillar and fruit borer may infest cabbage. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit. of water per acre crop.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs. Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage late blight in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control white fly Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** There are chances of Potato Tuber Moth infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @ 80- ml/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development. Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits:** To control mealy bug infestation in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- Mango:** Present weather conditions are favourable for the incidence of Mango hoppers. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @ 2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of powdery mildew in Mango. spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy  
(Nodal officer)



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Bulletin No.-168  
Date- 15/02/2021

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

- 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.

Dr Sujata Sethy  
(Nodal officer)



**Follow Meghdoot Mobile APP for Agromet advisories in local language and DAMINI APP for Lightening alert in your area**



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