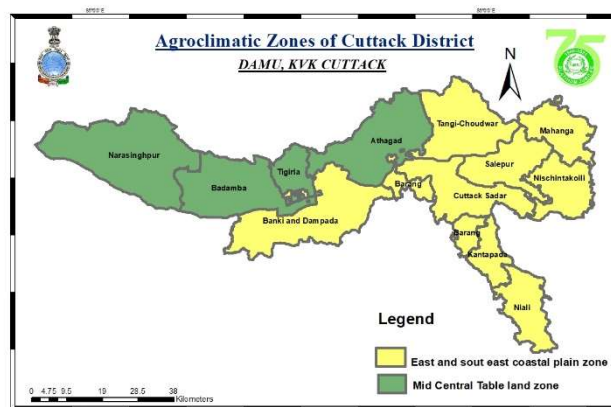
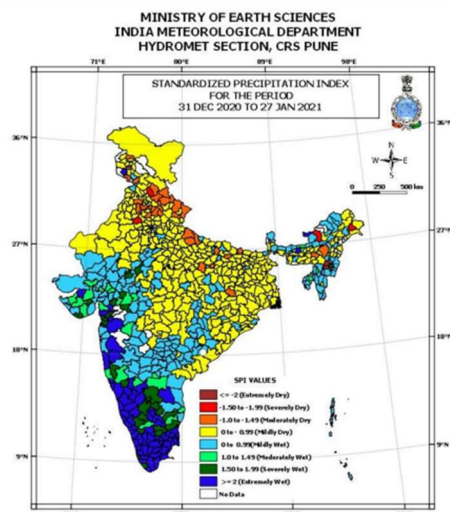


## AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



## STANDARD PRECIPITATION INDEX AND NDVI MAP

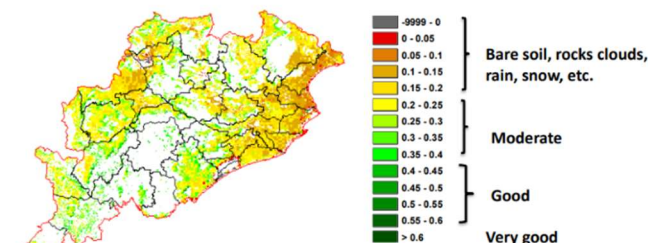
Standardised Precipitation Index  
for the period 31<sup>st</sup> December 2020 to 27<sup>th</sup> January 2021



As per SPI value (cumulative 4weeks - 31December 2020 to 27 January 2021), Mildlydry condition was there in Cuttack district.

NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 03  
(15.01.2021 to 21.01.2021) over Agricultural region

Odisha



Agriculture vigour is good over few places of the state.

According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over mostwestern blocks of Cuttack district.

### LEGEND(Medium range block level rainfall forecast)

	No Rainfall
	Very light to light rainfall
	Light to moderate rainfall
	Moderate to heavy rainfall
	Heavy rainfall
	Very heavy rainfall
	Extremely heavy rainfall

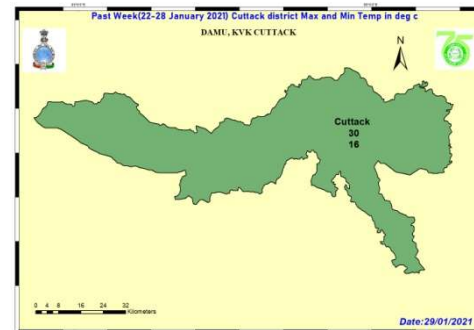
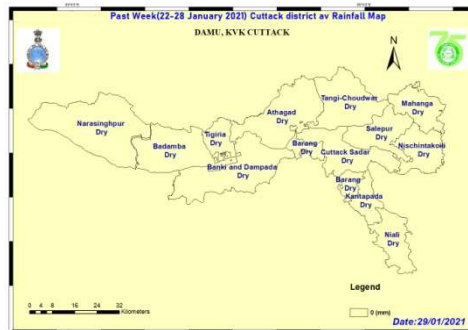


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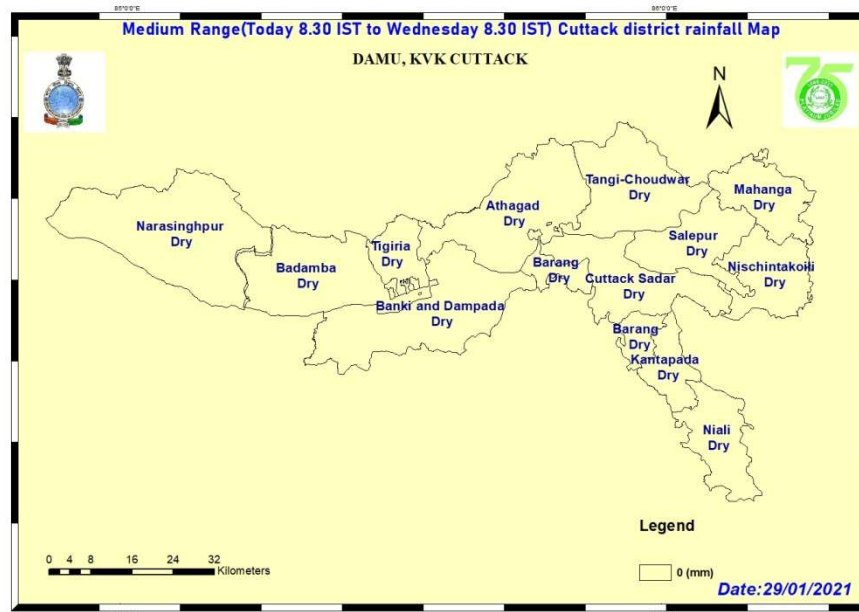


Bulletin No.-163  
Date- 29/01/2021

**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
				Powdery Mildew
				Flea beetles
2	Mustard	Vegetative stage to flowering		Powdery Mildew
				Alternaria
3	Rabi Groundnut	Vegetative stage to flowering		Aphid and Mites
				Spodotera/Tobacco caterpillar
4	Vegetables (Tomato, Chilli, Brinjal)	Vegetative to fruiting		Mites
				Chili Aphid
6	Tomato	Flowering to Fruting		Late blight
				leaf curl
7	Potato	Sprouting/Vegetative stage		Potato tuber moth
				Late blight
8	Cabbage and Cauliflower	Vegetative to Flowering		Diamond back moth



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**Bulletin No.-163**  
**Date- 29/01/2021**

				<b>Powdery Mildew</b>
9	<b>Mango</b>	<b>Vegetative to Flowering</b>		<b>Mango hooper</b>
10	<b>Papaya</b>	<b>Fruting stage</b>		<b>Mealy bug</b>

**Dr Sujata Sethy**  
(Nodal officer)



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**Bulletin No.-163**  
**Date- 29/01/2021**

**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-31 December 2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weather advisory:** **Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5 days (Today (8.30IST) to Wednesday (8.30 IST)) in the block.** The day temperature will be 28-30°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-88% and 18-39% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	30	29	29	28	28
T-Min (°C)	18	18	16	16	15
Cloud Cover (octa)	1	2	3	0	0
RH Max (%)	84	88	68	83	67
RH Min (%)	27	39	33	21	18
Wind Speed (kmph)	7	8	6	5	6
Wind Direction (deg)	144	72	90	113	113

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of late blight diseases in late sown potato and tomato crop. Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of Flea beetle and powdery mildew in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- 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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- Fruits:** **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) chloropyrifos @2.5ml/l. during initial stages of flowering.
- Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidachloprid 0.3 ml /liter
- Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

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



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**Bulletin No.-163**  
**Date- 29/01/2021**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-31 December2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weatheradvisory:** **Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block.** The day temperature will be 29-30°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-90% and 21-39% 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	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	29	29	29
T-Min(°C)	17	17	16	16	15
Cloud Cover(octa)	1	2	3	0	0
RH Max (%)	88	90	79	90	76
RH Min (%)	29	39	37	22	21
Wind Speed (Kmph)	7	7	6	5	5
Wind Direction (deg)	158	165	90	150	124

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of **late blight diseases in late sown potato and tomato crop.** Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- **Fruits:** **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.
- **Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidachloprid 0.3 ml /liter
- **Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

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



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**Bulletin No.-163**  
**Date- 29/01/2021**

**AGROMET ADVISORY BULLETIN FORBANKI**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-31 December2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weatheradvisory:** **Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block.** The day temperature will be 29-30°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-90% and 20-40% 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	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	29	29	29
T-Min(°C)	18	17	16	16	15
Cloud Cover(octa)	1	2	3	0	0
RH Max (%)	86	90	74	86	73
RH Min (%)	29	40	37	23	20
Wind Speed (Kmph)	8	9	6	5	6
Wind Direction (deg)	155	90	45	146	124

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of **late blight diseases in late sown potato and tomato crop.** Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- **Fruits:** **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.
- **Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidachloprid 0.3 ml /liter
- **Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

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



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**Bulletin No.-163**  
**Date- 29/01/2021**

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA**

**District Past week weather condition**

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-31 December2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weather Advisory:** **Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5 days (Today (8.30IST) to Wednesday (8.30 IST)) in the block.** The day temperature will be 29-30°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-90% and 19-40% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	29	29	29
T-Min(°C)	18	17	16	16	15
Cloud Cover(octa)	1	2	3	0	0
RH Max (%)	85	90	73	85	72
RH Min (%)	29	40	36	22	19
Wind Speed (Kmph)	8	9	6	5	6
Wind Direction (deg)	155	72	45	146	117

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of **late blight diseases in late sown potato and tomato crop.** Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- **Fruits:** **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.
- **Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidachloprid 0.3 ml /liter
- **Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

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



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**Bulletin No.-163**  
**Date- 29/01/2021**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-31 December 2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weather advisory:** **Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5 days (Today (8.30IST) to Wednesday (8.30 IST)) in the block.** The day temperature will be 27-30°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-87% and 17-39% 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	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	28	27	28
T-Min(°C)	18	18	16	16	16
Cloud Cover	0	2	3	0	0
RH Max (%)	80	87	68	75	58
RH Min (%)	25	39	31	23	17
Wind Speed (Kmph)	7	10	8	7	7
Wind Direction (deg)	150	154	68	23	68

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of **late blight diseases in late sown potato and tomato crop.** Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- **Fruits:** **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.
- **Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidachloprid 0.3 ml /liter
- **Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

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



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**Bulletin No.-163**  
**Date- 29/01/2021**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-31 December 2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weather advisory:** **Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5 days (Today (8.30IST) to Wednesday (8.30 IST)) in the block.** The day temperature will be 27-30°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-86% and 17-40% 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	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	28	27	27
T-Min(°C)	19	18	17	16	16
Cloud Cover(octa)	0	2	3	0	0
RH Max (%)	80	86	66	73	56
RH Min (%)	25	40	30	22	17
Wind Speed (Kmph)	7	9	7	7	7
Wind Direction (deg)	150	158	45	23	63

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of late blight diseases in late sown potato and tomato crop. Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of Flea beetle and powdery mildew in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- 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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- Fruits:** **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.
- Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidachloprid 0.3 ml /liter
- Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

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



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**Bulletin No.-163**  
**Date- 29/01/2021**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-31 December 2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weather advisory:** **Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5 days (Today (8.30IST) to Wednesday (8.30 IST)) in the block.** The day temperature will be 27-29°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 57-87% and 18-38% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Kantapada(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	28	27	28
T-Min(°C)	19	18	16	16	16
Cloud Cover(octa)	0	1	3	0	0
RH Max (%)	78	87	71	75	57
RH Min (%)	26	38	33	27	18
Wind Speed (Kmph)	7	10	9	9	8
Wind Direction (deg)	150	154	68	108	90

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of **late blight diseases in late sown potato and tomato crop.** Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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 litr water.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- **Fruits:** **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.
- **Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidachloprid 0.3 ml /liter
- **Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

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



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**Bulletin No.-163**  
**Date- 29/01/2021**

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-31 December 2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weather advisory:** Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5 days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 26-30°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 44-81% and 17-29% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	27	26	27
T-Min(°C)	18	18	16	15	16
Cloud Cover(octal)	0	2	3	0	0
RH Max (%)	77	81	66	66	44
RH Min (%)	24	29	29	23	17
Wind Speed (Kmph)	6	10	10	8	9
Wind Direction (deg)	117	158	45	342	45

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of late blight diseases in late sown potato and tomato crop. Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of Flea beetle and powdery mildew in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- **Fruits:** 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.
- **Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidacloprid 0.3 ml /liter
- **Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

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



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**Bulletin No.-163**  
**Date- 29/01/2021**

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-31 December2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weatheradvisory:** **Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block.** The day temperature will be 29-31°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-96% and 22-36% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Narasinghpur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	30	29	30
T-Min(°C)	16	16	15	15	15
Cloud Cover(/octa)	2	2	3	0	0
RH Max (%)	90	92	88	96	80
RH Min (%)	31	36	31	24	22
Wind Speed (Kmph)	6	5	4	4	4
Wind Direction (deg)	162	165	113	155	135

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of **late blight diseases in late sown potato and tomato crop.** Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- **Fruits:** **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.
- **Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidachloprid 0.3 ml /liter
- **Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

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



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Bulletin No.-163  
Date- 29/01/2021

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks- 31 December2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weatheradvisory:** **Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block.** The day temperature will be 27-29°C and night temperature will be 15-19°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 59-87% and 19-37% respectively. There will be mainly clear to partly cloudy skyfor next 5days.

Block	Niali(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	28	27	28
T-Min(°C)	19	18	16	16	15
Cloud Cover(octa)	0	0	3	0	0
RH Max (%)	76	87	74	77	59
RH Min (%)	28	37	36	31	19
Wind Speed(Kmph)	7	10	10	10	9
Wind Direction(deg)	124	23	26	108	342

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of **late blight diseases in late sown potato and tomato crop.** Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of **leaf eating caterpillar** and **black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **Flea beetle** and **powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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 Sulfar apply 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- **Fruits:** **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) chloropyrifos @2.5ml/l. during initial stages of flowering.
- **Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidachloprid 0.3 ml /liter
- **Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

Dr Sujata Sethy  
(Nodal officer)



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Bulletin No.-163  
Date- 29/01/2021

**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-31 December2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weatheradvisory:** **Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block.** The day temperature will be 26-30°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 45-82% and 17-32% 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	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	27	26	27
T-Min(°C)	18	18	16	16	16
Cloud Cover(octa)	0	2	3	0	0
RH Max (%)	77	82	67	68	45
RH Min (%)	24	32	30	24	17
Wind Speed (Kmph)	7	10	10	8	9
Wind Direction (deg)	117	27	30	342	68

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of **late blight diseases in late sown potato and tomato crop.** Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- 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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- Fruits:** **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.
- Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidachloprid 0.3 ml /liter
- Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

Dr Sujata Sethy  
(Nodal officer)



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Bulletin No.-163  
Date- 29/01/2021

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-31 December2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weatheradvisory:** **Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block.** The day temperature will be 26-30°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 46-83% and 17-33% 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	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	27	26	27
T-Min(°C)	18	18	16	16	16
Cloud Cover(octa)	0	2	3	0	0
RH Max (%)	78	83	66	68	46
RH Min (%)	24	33	29	23	17
Wind Speed (Kmph)	6	10	9	8	8
Wind Direction (deg)	117	158	45	342	68

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of **late blight diseases in late sown potato and tomato crop.** Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- **Fruits:** **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) chloropyrifos @2.5ml/l. during initial stages of flowering.
- **Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidachloprid 0.3 ml /liter
- **Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

Dr Sujata Sethy  
(Nodal officer)



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Bulletin No.-163  
Date- 29/01/2021

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks- 31 December 2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today (8.30 IST) to 03<sup>rd</sup> February (8.30 IST) 2021**

**Weather advisory:** Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-30°C and night temperature will be 18-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 48-81% and 25-39% 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	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	29	30	28	28	29
T-Min (°C)	20	21	19	18	18
Cloud Cover (octa)	0	0	3	0	0
RH Max (%)	73	81	72	69	48
RH Min (%)	34	39	39	38	25
Wind Speed (Kmph)	8	11	13	12	12
Wind Direction (deg)	108	113	36	75	65

**Agromet Advisory**

**General Advisory:** As per SPI, mildly dry condition was there in Cuttack district in last 4 weeks, so farmers need to irrigate their field based upon soil moisture condition. As dense fog likely to occur at Cuttack district, which may lead to occurrence of late blight diseases in late sown potato and tomato crop. Farmers may vigil their field and should take appropriate plant protection measures.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of Flea beetle and powdery mildew in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:** 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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- 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:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.
- Fruits:** **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) chloropyrifos @2.5ml/l. during initial stages of flowering.
- Papaya:** There is a chance of occurrence of sucking pest damage in papaya crop. Go for spraying imidachloprid 0.3 ml /liter
- Animal Husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water. Use bulb in the cage of new born chicks. Use burning wooden coal during night time beside the floor for keep the poultry house warm.

Dr Sujata Sethy  
(Nodal officer)



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Bulletin No.-163  
Date- 29/01/2021

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30°C and 16°C, respectively. Mean relative humidity of the district was around 84-62%. **According to NDVI map (15.01.2021 to 21.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-31 December2020 to 27 January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> February (8.30IST)2021**

**Weatheradvisory:** **Dense fog is forecasted for tomorrow and Sunday in isolated places of Cuttack district. No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block.** The day temperature will be 28-30°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 71-90% and 19-38% 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	30/01/2021	31/01/2021	01/02/2021	02/02/2021	03/02/2021
Rainfall(mm)	0	0	0	0	0
00T-Max(°C)	30	29	29	28	29
T-Min(°C)	18	17	16	16	15
Cloud Cover(octa)	1	3	3	0	0
RH Max (%)	86	90	71	86	72
RH Min (%)	28	38	36	21	19
Wind Speed (Kmph)	7	8	5	5	6
Wind Direction (deg)	155	90	45	116	113

**Agromet Advisory**

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**Pulses:** In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

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**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. **Alternaria:** To control Alternaria spray Mancozeb 50 WP @ 2 gram/lit of water after 50-70 days after transplanting.

**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.

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- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
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Bulletin No.-163  
Date- 29/01/2021

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

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