



GRAMIN KRISHI MAUSAM SEWA  
INDIA METEOROLOGICAL DEPARTMENT  
DISTRICT AGROMET UNIT

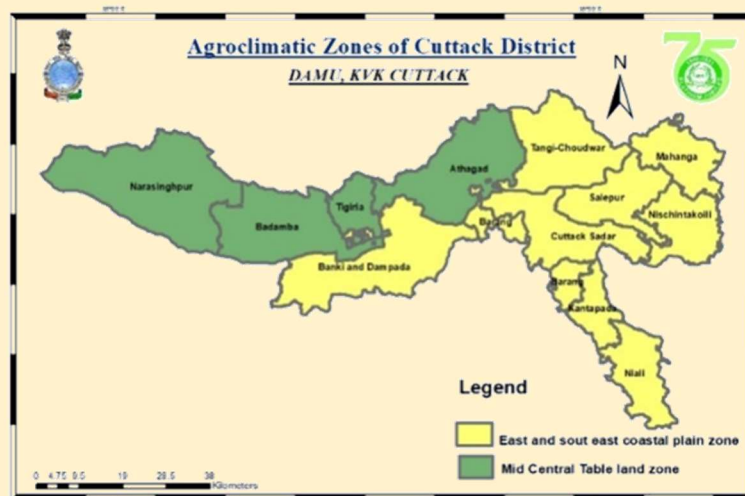
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Bulletin No.-366  
Date- 17/01/2023

# Cuttack District Block Wise Agro-met Advisory Service Bulletin

**Tuesday, 17<sup>th</sup> January, 2023**  
(For the period 17<sup>th</sup> to 21<sup>st</sup> January, 2023)



**Issued by**  
**District Agromet Unit,**  
**KrishiVigyan Kendra Cuttack**

Dr Sujata Sethy  
(Nodal officer)



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Debasish Jena  
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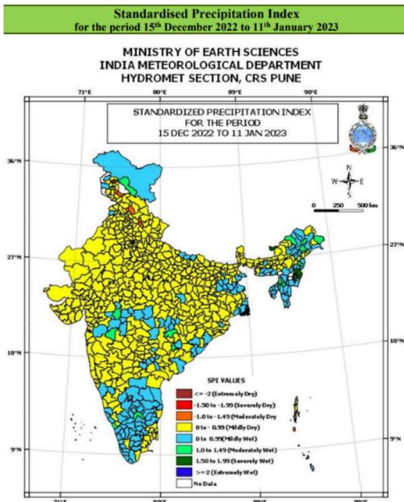
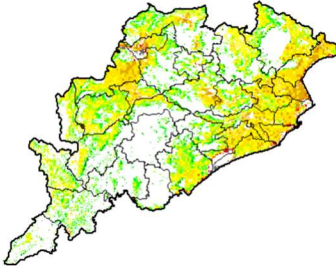


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**STANDARD PRECIPITATION INDEX AND NDVI MAP**

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
 <p>Standardised Precipitation Index for the period 15<sup>th</sup> December 2022 to 11<sup>th</sup> January 2023</p> <p>MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p>STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 15 DEC 2022 TO 11 JAN 2023</p> <p>SPI VALUES</p> <ul style="list-style-type: none"> <li>&lt; -2 (Extremely Dry)</li> <li>-1.99 to -1.50 (Moderately Dry)</li> <li>-1.49 to -1.00 (Moderately Dry)</li> <li>-0.99 to -0.50 (Moderately Dry)</li> <li>-0.49 to 0.00 (Near Normal)</li> <li>0.01 to 0.50 (Moderately Wet)</li> <li>0.51 to 1.00 (Moderately Wet)</li> <li>1.01 to 1.50 (Moderately Wet)</li> <li>1.51 to 1.99 (Extremely Wet)</li> <li>&gt;= 2 (Extremely Wet)</li> <li>The State</li> </ul>	 <p>NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 02 (08.01.2023 to 14.01.2023) over Agricultural region</p> <p align="center"><b>Odisha</b></p> <p>Agriculture vigour is good over isolated places of the state.</p> <p>Legend for NDVI:</p> <ul style="list-style-type: none"> <li>-0.999 - 0</li> <li>0 - 0.05</li> <li>0.05 - 0.1</li> <li>0.1 - 0.15</li> <li>0.15 - 0.2</li> <li>0.2 - 0.25</li> <li>0.25 - 0.3</li> <li>0.3 - 0.35</li> <li>0.35 - 0.4</li> <li>0.4 - 0.45</li> <li>0.45 - 0.5</li> <li>0.5 - 0.55</li> <li>0.55 - 0.6</li> <li>&gt; 0.6</li> </ul> <p>Bare soil, rocks clouds, rain, snow, etc.</p> <p>Moderate</p> <p>Good</p> <p>Very good</p>
<p><b>As per SPI value (cumulative 4weeks -15 December2022 to 11 January 2023), mildly dry condition was there in Cuttack district.</b></p>	<p><b>According to NDVI map (08.01.2023 to 14.01.2023) the agriculture vigor was light over maximum eastern blocks and light to moderate western blocks of Cuttack district.</b></p>

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

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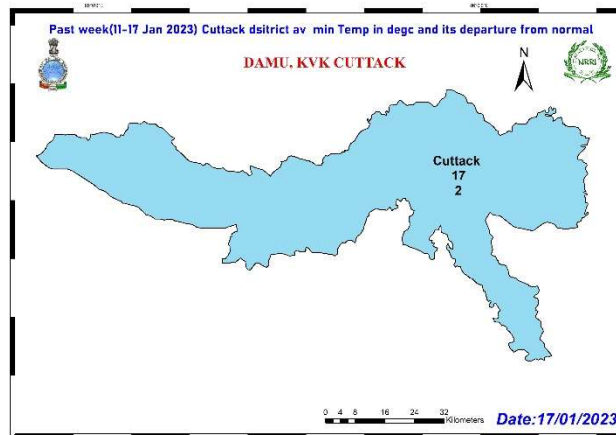
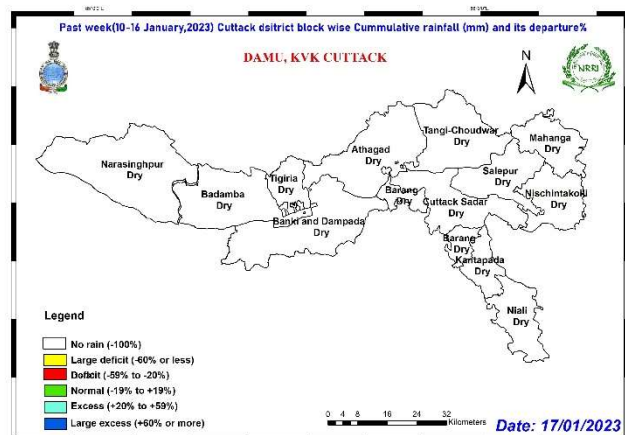


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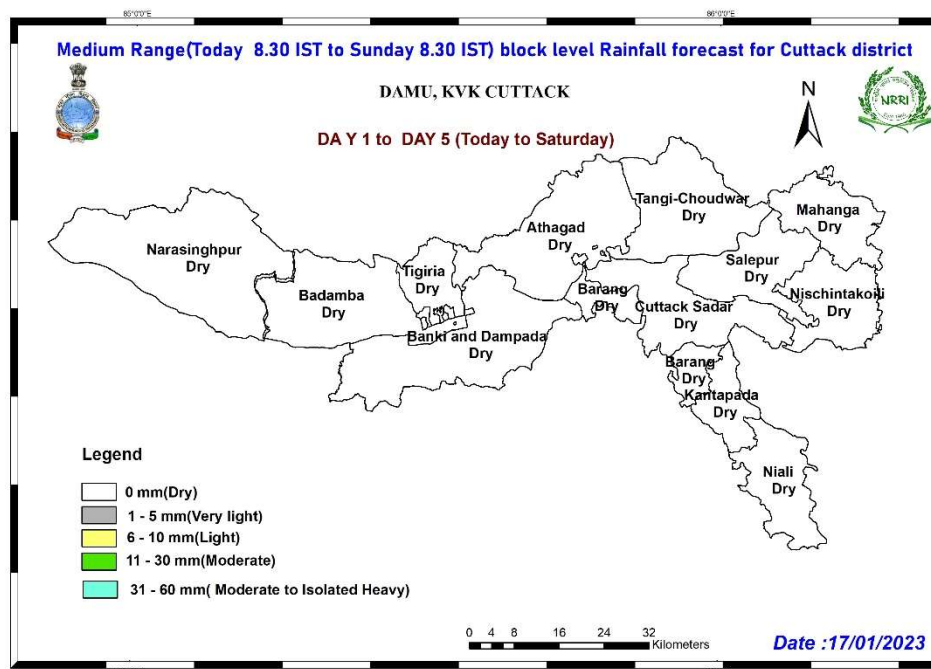


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**Past week (10– 16 Jan, 2023) cumulative rainfall departure% from normal and (11-17 Jan, 2023) average minimum temperature and its departure from normal for Cuttack district**



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



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

Sl No	Crop	Stage and condition of the crop	Anticipated Disease and pest	
1	Pulses (Green gram and black gram)	Vegetative stage to flowering		Aphid
				White fly
				YMV
2	Mustard	Vegetative stage to flowering		Aphid
				Saw fly
				Leaf webber
				Stink Bug
3	Rabi Groundnut	Vegetative stage to flowering		Tikka disease
				Aphid and Mites
4	Vegetables (Tomato, Chilli, Brinjal)	Vegetative to fruiting		Thrips
				Mites
				Chilli Aphid
6	Tomato	Flowering to Fruting		Leaf Curl virus
7	Potato	Sprouting/Vegetative stage		Leaf Blight
				Aphid

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**(Nodal officer)**



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

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**Bulletin No.-366**  
**Date- 17/01/2023**

**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 18-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-95% and 26-46% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	29	29	29	30
T-Min (°C)	20	19	19	19	18
Cloud Cover (octa)	2	2	2	2	2
RH Max (%)	94	95	94	91	87
RH Min (%)	43	46	39	34	26
Wind Speed (kmph)	8	10	6	6	7
Wind Direction (deg)	156	153	135	155	135

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water.**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamiprid @ 0.2gm/lit.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Date- 17/01/2023**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 17-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-96% and 26-42% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	29	29	29	30
T-Min(°C)	18	18	18	17	17
Cloud Cover(octa)	2	1	2	2	1
RH Max (%)	95	95	96	93	85
RH Min (%)	42	42	39	35	26
Wind Speed (Kmph)	8	9	6	6	6
Wind Direction (deg)	161	154	135	158	135

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water.**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamiprid @ 0.2gm/ltr.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

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

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**(Nodal officer)**



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**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week average weather condition**

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 18-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-95% and 26-46% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	29	29	29	30
T-Min(°C)	19	19	18	18	18
Cloud Cover(octa)	2	2	2	1	2
RH Max (%)	93	94	95	91	87
RH Min (%)	44	46	42	35	26
Wind Speed (Kmph)	9	10	7	7	7
Wind Direction (deg)	158	146	135	158	153

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

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**Rabi-Groundnut:**

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**Mustard:**

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- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-366**  
**Date- 17/01/2023**

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPADA**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January(8.30IST)2023**

**Weather Advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 18-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-95% and 26-46% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	29	29	29	30
T-Min(°C)	19	19	18	18	18
Cloud Cover(octa)	1	1	1	1	2
RH Max (%)	93	94	95	91	86
RH Min (%)	45	46	42	35	26
Wind Speed (Kmph)	8	10	7	6	7
Wind Direction (deg)	158	146	144	158	153

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water.**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-366**  
**Date- 17/01/2023**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 19-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-93% and 28-49% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	28	29	30
T-Min(°C)	20	19	19	19	19
Cloud Cover	2	2	2	1	2
RH Max (%)	92	93	93	89	83
RH Min (%)	47	49	44	36	28
Wind Speed (Kmph)	8	9	6	6	7
Wind Direction (deg)	158	90	113	146	293

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water.**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-366**  
**Date- 17/01/2023**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-29°C and night temperature will be 19-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-94% and 27-48% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	29	29	29
T-Min(°C)	20	20	19	19	19
Cloud Cover(octa)	2	2	2	1	2
RH Max (%)	94	94	93	89	83
RH Min (%)	45	48	42	35	27
Wind Speed (Kmph)	8	9	6	6	7
Wind Direction (deg)	153	150	113	124	293

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water.**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-366**  
**Date- 17/01/2023**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 19-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-93% and 29-51% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	28	28	29
T-Min(°C)	20	20	19	19	19
Cloud Cover(octa)	2	2	2	1	3
RH Max (%)	89	91	93	89	83
RH Min (%)	50	51	49	38	29
Wind Speed (Kmph)	9	9	7	7	8
Wind Direction (deg)	158	165	113	116	90

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-366**  
**Date- 17/01/2023**

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be and it will be 27-29°C and night temperature will be 18-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-92% and 29-51% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	27	28	29
T-Min(°C)	20	19	18	19	18
Cloud Cover(octal)	2	1	1	1	2
RH Max (%)	92	92	91	85	76
RH Min (%)	47	50	51	38	29
Wind Speed (Kmph)	8	8	7	6	7
Wind Direction (deg)	146	158	113	113	288

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Debasish Jena**  
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**Bulletin No.-366**  
**Date- 17/01/2023**

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 29-30°C and night temperature will be 16-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-97% and 25-38% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	30	30	29	30
T-Min(°C)	17	17	16	16	16
Cloud Cover(octa)	2	1	1	2	1
RH Max (%)	96	97	97	96	85
RH Min (%)	38	34	35	32	25
Wind Speed (Kmph)	6	6	5	6	5
Wind Direction (deg)	159	161	153	159	150

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water.**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-366**  
**Date- 17/01/2023**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-29°C and night temperature will be 18-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-93% and 31-53% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	28	28	29
T-Min(°C)	20	20	19	19	18
Cloud Cover(octa)	1	1	1	1	3
RH Max (%)	85	90	93	90	84
RH Min (%)	53	52	51	41	31
Wind Speed(Kmph)	9	9	8	8	8
Wind Direction(deg)	156	165	113	116	109

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water.**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-366**  
**Date- 17/01/2023**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 19-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-92% and 29-50% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	27	28	29
T-Min(°C)	20	20	19	19	19
Cloud Cover(octa)	1	1	1	1	2
RH Max (%)	92	91	91	86	76
RH Min (%)	48	50	50	38	29
Wind Speed (Kmph)	8	9	7	7	7
Wind Direction (deg)	154	150	113	116	300

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water.**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamiprid @ 0.2gm/ltr.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-366**  
**Date- 17/01/2023**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January(8.30IST)2023.**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-29°C and night temperature will be 19-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-92% and 29-50% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	28	28	29
T-Min(°C)	20	20	19	19	19
Cloud Cover(octa)	2	2	2	1	2
RH Max (%)	92	92	92	86	77
RH Min (%)	47	50	49	37	29
Wind Speed (Kmph)	8	9	7	6	7
Wind Direction (deg)	146	150	113	116	75

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water.**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamiprid @ 0.2gm/ltr.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-366**  
**Date- 17/01/2023**

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 20-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-86% and 39-60% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	28	28	28	29
T-Min(°C)	22	21	20	20	20
Cloud Cover(octa)	2	2	2	1	3
RH Max (%)	83	83	86	86	73
RH Min (%)	60	57	54	49	39
Wind Speed (Kmph)	11	10	9	10	10
Wind Direction (deg)	126	155	113	109	109

**Agromet Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water.**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-366**  
**Date- 17/01/2023**

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.2°C (0.7 from normal) and 16.8°C (1.93 from normal), respectively. The mean relative humidity was 58-87%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> January(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 18-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-95% and 26-45% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/01/2023	18/01/2023	19/01/2023	20/01/2023	21/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	29	29	29	30
T-Min(°C)	19	19	18	18	18
Cloud Cover(octa)	2	2	2	2	1
RH Max (%)	95	95	95	92	87
RH Min (%)	43	45	39	34	26
Wind Speed (Kmph)	8	10	6	6	7
Wind Direction (deg)	156	146	135	158	135

**Agro met Advisory**

**General Advisory:** As dense fog has occurred over isolated places in past 4-5 days and also likely to occur in next 3 days, so farmers are advised to monitor potato, tomato and onion crops for incidence of early/late blight disease and mustard for white rust, green and black gram crop for powdery mildew. If symptoms are noticed, apply recommended plant protection measures.

**Pulses:**

**Farmers should start sowing of pulses by utilization of irrigation water.**

Cloudy and foggy weather may aggravate the infestation of white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

As early sown groundnut crop are at post flowering stage (After 30-40 days of sowing), so farmers are advised to irrigate their field after this stage due to mildly dry condition in Cuttack district in last one month and also in upcoming days.

Farmers are advised to do intercultivation and apply Gypsum @ 200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- **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. Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **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.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. **Irrigate the crop at 10 days interval.** Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-366**  
**Date- 17/01/2023**

				
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- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.

<https://play.google.com/store/apps/details?id=com.aas.meghdoot>

- Kindly install and use **“Damini mobile App”** for location specific for lightening forecast and warnings.

<https://play.google.com/store/apps/details?id=com.lightening.live.damini>

- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

1	ICAR-NRRI, Cuttack, Odisha	<a href="https://icar-nrri.in/agromate/">https://icar-nrri.in/agromate/</a>	
2	Agrimet division, IMD, Pune	<a href="https://imdagrmet.gov.in/imdproject/AGIndex.php">https://imdagrmet.gov.in/imdproject/AGIndex.php</a>	

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