



GRAMIN KRISHI MAUSAM SEWA

INDIA METEOROLOGICAL DEPARTMENT  
DISTRICT AGROMET UNIT

KRISHI VIGYAN KENDRA CUTTACK

(A Unit of ICAR-National Rice Research Institute)

Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

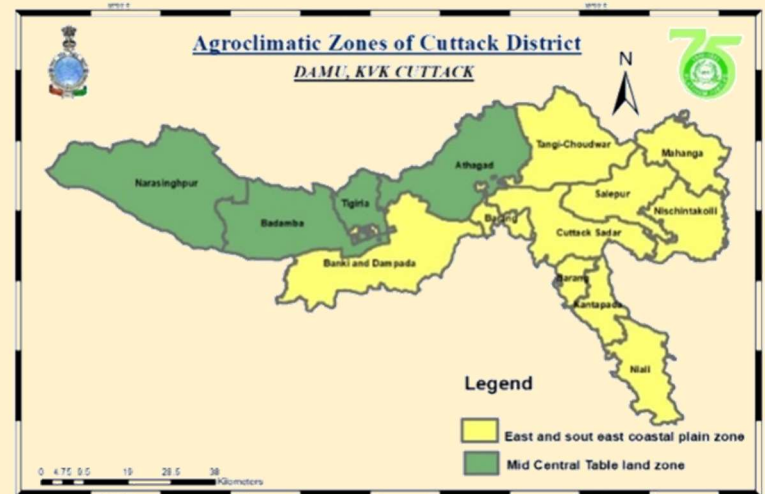


Bulletin No.-548

Date- 31/12/2024

# Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday, 31<sup>st</sup> December, 2024  
(For the period 31<sup>st</sup> December, 2024 to  
04<sup>th</sup> January, 2025)*



*Issued by  
District Agromet Unit,  
KrishiVigyan Kendra Cuttack*

Dr Sujata Sethy  
(Nodal officer)



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Debasish Jena  
SMS (Agrometeorology)  
Contact No-9861445080/7008453427



**STANDARD PRECIPITATION INDEX AND NDVI MAP**

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p align="center">MINISTRY OF EARTH SCIENCES            INDIA METEOROLOGICAL DEPARTMENT            HYDROMET SECTION, CRS PUNE</p> <p align="center"><b>STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 21 NOVEMBER TO 18 DECEMBER 2024</b></p> <p align="center"><b>SPI VALUES</b></p> <p>0 to 0.99        1.00 to 1.99 (Extremely Dry) 0% Dist. 0% Area        2.00 to 2.99 (Very Dry) 0% Dist. 0% Area        3.00 to 3.99 (Moderately Dry) 0% Dist. 0% Area        4.00 to 4.99 (Slightly Dry) 0% Dist. 0% Area        5.00 to 5.99 (Near Normal) 0% Dist. 0% Area        6.00 to 6.99 (Slightly Wet) 0% Dist. 0% Area        7.00 to 7.99 (Moderately Wet) 0% Dist. 0% Area        8.00 to 8.99 (Very Wet) 0% Dist. 0% Area        9.00 to 9.99 (Extremely Wet) 0% Dist. 0% Area</p>	<p align="center">NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 51 (16.12.2024 to 22.12.2024) over Agricultural region</p> <p align="center"><b>Odisha</b></p> <p align="right">       -0.9999 - 0        0 - 0.05        0.05 - 0.1        0.1 - 0.15        0.15 - 0.2        0.2 - 0.25        0.25 - 0.3        0.3 - 0.35        0.35 - 0.4        0.4 - 0.45        0.45 - 0.5        0.5 - 0.55        0.55 - 0.6        &gt; 0.6     </p> <p align="right">       Bare soil, rocks clouds, rain, snow, etc.        Moderate        Good        Very good     </p> <p align="center">Agriculture vigour is good at few places of the state.</p>
<p><b>As per SPI value (cumulative 4weeks -21 November to 18 December, 2024), mildly wet condition was there in Cuttack district.</b></p>	<p><b>According to NDVI map (16.12.2024 to 22.12.2024) the agriculture vigor was light to moderate over most places 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	






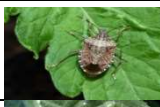











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**KRISHI VIGYAN KENDRA CUTTACK**  
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**Bulletin No.-548**  
**Date- 31/12/2024**

**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	Mustard	Vegetative to flowering stage	 Aphid
			 Saw fly
			 White rust
			 Sink Bug
2	Pulse	Vegetative	 Aphid
			 Powdery mildew
3	Rabi Groundnut	Vegetative stage	 Leaf Miner
4	Vegetables (Tomato,Chilli, Brinjal)	Vegetative to fruiting	 Thrips
			 Mites
		Fruiting	 Fruit and shoot borer
4	Tomato		 Late blight
			 Leaf Curl virus
5	Potato	Sprouting/Vegetative stage	 Cut worm and leaf eating insect
6	Cole crops (Cauliflower and cabbage)		 Leaf eating caterpillar

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 (Nodal officer)



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				<b>Fruit borer</b>
		<b>Vegetative to fruiting</b>		<b>Diamond back moth</b>
				<b>Tobacco Caterpillar</b>
				<b>Cabbage webber</b>

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 (Nodal officer)



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**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

The block received average 06mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-30°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-91% and 20-45% 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	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall (mm)	00	00	00	00	00
T-Max (°C)	27	27	28	30	29
T-Min (°C)	15	14	14	14	15
Cloud Cover (octa)	1	0	0	4	2
RH Max (%)	91	84	58	59	75
RH Min (%)	45	33	22	20	23
Wind Speed (kmph)	4	5	7	5	4
Wind Direction (deg)	23	345	335	338	349

**Agromet Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5 days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

Foggy and cool weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** 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. **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.**

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of **leaf curl virus in tomato**. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** Shoot and fruit borer and leaf eating Caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit of water per acre crop. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Debasish Jena**  
**SMS (Agrometeorology)**  
**Contact No-9861445080/7008453427**



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 (A Unit of ICAR-National Rice Research Institute)  
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**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received average 01mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-30°C and night temperature will be 13-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 47-93% and 19-41% 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)				
	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	28	27	28	30	29
T-Min(°C)	14	13	13	13	14
Cloud Cover(octa)	1	0	1	4	2
RH Max (%)	93	75	47	51	77
RH Min (%)	41	30	19	19	21
Wind Speed (Kmph)	3	5	6	5	3
Wind Direction (deg)	60	345	340	338	113

**Agromet Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5 days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

Foggy and cool weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** 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. **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.**

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of **leaf curl virus in tomato**. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** Shoot and fruit borer and leaf eating Caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

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. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

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(Nodal officer)



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**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week average weather condition**

The district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**Weather advisory; Dry weather is forecasted for upcoming 5days in the block.** The day temperature will be 27-30°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-92% and 19-46% respectively. There will be clear to partly cloudy sky for next 5days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	27	28	29	30	29
T-Min(°C)	15	14	14	14	15
Cloud Cover(octa)	1	0	0	4	2
RH Max (%)	92	83	59	59	80
RH Min (%)	46	33	21	19	22
Wind Speed (Kmph)	4	5	7	5	4
Wind Direction (deg)	79	345	340	335	342

**Agromet Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

Foggy and cool weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** 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. **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.**

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of **leaf curl virus in tomato**. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** **Shoot and fruit borer and leaf eating Caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

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**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPADA**

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

The block received average 11mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**Weather Advisory:** Dry weather is forecasted for upcoming 5days in the block. The day temperature will be 27-30°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-92% and 19-46% respectively. There will be clear to partly cloudy sky for next 5days.

Block	Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	27	28	28	30	29
T-Min(°C)	15	14	14	14	15
Cloud Cover(octa)	1	0	0	4	2
RH Max (%)	92	83	60	60	79
RH Min (%)	46	33	21	19	22
Wind Speed (Kmph)	4	5	7	5	4
Wind Direction (deg)	90	345	340	335	342

**Agromet Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

Foggy and cool weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly 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. There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect.

**Tomato:** To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of leaf curl virus in tomato. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** Shoot and fruit borer and leaf eating Caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit of water per acre crop. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

Dr Sujata Sethy  
 (Nodal officer)



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Debasish Jena  
 SMS (Agrometeorology)  
 Contact No-9861445080/7008453427





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



**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received average 05mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**Weatheradvisory:** *Dry weather is forecasted for upcoming 5days in the block.* The day temperature will be 27-29°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 64-85% and 21-44% respectively. There will be clear to partly cloudy sky for next 5days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	27	27	28	29	29
T-Min(°C)	16	15	15	15	15
Cloud Cover	0	0	0	4	2
RH Max (%)	80	85	70	64	71
RH Min (%)	44	34	24	21	24
Wind Speed (Kmph)	5	6	7	6	5
Wind Direction (deg)	360	360	11	338	360

**Agromet Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

Foggy and cool weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** 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. **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.**

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of **leaf curl virus in tomato**. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** **Shoot and fruit borer and leaf eating Caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit of water per acre crop. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals.
- In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

Dr Sujata Sethy  
 (Nodal officer)



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Debasish Jena  
 SMS (Agrometeorology)  
 Contact No-9861445080/7008453427



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**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
 (A Unit of ICAR-National Rice Research Institute)  
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received average 06mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**Weatheradvisory; Dry weather is forecasted for upcoming 5days in the block.** The day temperature will be 27-29°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-84% and 21-43% respectively. There will be clear to partly cloudy sky for next 5days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	27	27	28	29	29
T-Min(°C)	16	15	15	15	16
Cloud Cover(octa)	0	0	0	4	2
RH Max (%)	81	84	66	59	67
RH Min (%)	43	33	24	21	24
Wind Speed (Kmph)	5	5	6	6	4
Wind Direction (deg)	342	11	345	338	338

**Agromet Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

**Foggy and cool weather** may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** 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. **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.**

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/l of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of **leaf curl virus in tomato**. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** **Shoot and fruit borer and leaf eating Caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit of water per acre crop. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Debasish Jena**  
**SMS (Agrometeorology)**  
**Contact No-9861445080/7008453427**



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



**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received average 08mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**Weather advisory:** Dry weather is forecasted for upcoming 5days in the block. The day temperature will be 27-29°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-82% and 21-43% respectively. There will be clear to partly cloudy sky for next 5days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	27	27	28	29	29
T-Min(°C)	16	16	15	16	16
Cloud Cover(octa)	1	0	0	4	2
RH Max (%)	75	82	74	68	71
RH Min (%)	43	34	26	21	24
Wind Speed (Kmph)	6	6	7	6	6
Wind Direction (deg)	23	360	11	340	349

**Agromet Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

Foggy and cool weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** 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. **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.**

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of **leaf curl virus in tomato**. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** **Shoot and fruit borer and leaf eating Caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit of water per acre crop. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

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(Nodal officer)



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**Debasish Jena**  
**SMS (Agrometeorology)**  
**Contact No-9861445080/7008453427**



**GRAMIN KRISHI MAJAM SAJWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
**(A Unit of ICAR-National Rice Research Institute)**  
**Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com**



**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received average 06mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**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 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-74% and 22-41% 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)				
	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	27	27	28	29	28
T-Min(°C)	15	15	15	15	16
Cloud Cover(octal)	0	0	0	4	2
RH Max (%)	73	74	64	54	59
RH Min (%)	41	31	24	22	25
Wind Speed (Kmph)	7	6	7	6	5
Wind Direction (deg)	27	360	18	340	341

**Agromet Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5 days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

Foggy and cool weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** 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. **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.**

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of **leaf curl virus in tomato**. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** **Shoot and fruit borer and leaf eating Caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit of water per acre crop. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Debasish Jena**  
**SMS (Agrometeorology)**  
**Contact No-9861445080/7008453427**



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



**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received average 04mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**Weather advisory:** Dry weather is forecasted for upcoming 5days in the block. The day temperature will be 27-29°C and night temperature will be 11-12°C for upcoming 5 days. Maximum and minimum relative humidity will be 33-83% and 17-35% respectively. There will be clear to partly cloudy sky for next 5days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	28	27	28	29	29
T-Min(°C)	12	11	12	12	12
Cloud Cover(/octa)	0	0	1	4	2
RH Max (%)	83	54	33	42	65
RH Min (%)	35	25	17	18	20
Wind Speed (Kmph)	3	4	6	5	2
Wind Direction (deg)	335	340	334	336	108

**Agromet Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

Foggy and cool weather may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly 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. There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect.

**Tomato:** To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of leaf curl virus in tomato. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** Shoot and fruit borer and leaf eating Caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit of water per acre crop. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
 (Nodal officer)



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**Debasish Jena**  
**SMS (Agrometeorology)**  
**Contact No-9861445080/7008453427**



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



**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received average 07mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**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 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-81% and 22-44% 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)				
	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	27	27	28	29	29
T-Min(°C)	16	16	15	16	16
Cloud Cover(octa)	1	0	0	5	2
RH Max (%)	75	81	75	69	71
RH Min (%)	44	34	28	22	25
Wind Speed(Kmph)	7	6	7	7	6
Wind Direction(deg)	30	349	15	349	15

**Agromet Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5 days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

Foggy and cool weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** 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. **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.**

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/l of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of **leaf curl virus in tomato**. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** **Shoot and fruit borer and leaf eating Caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

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. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals.
- In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
 (Nodal officer)



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**Debasish Jena**  
**SMS (Agrometeorology)**  
 Contact No-9861445080/7008453427



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



**Bulletin No.-548**  
**Date- 31/12/2024**

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

The block received average 06mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**Weatheradvisory:** *Dry weather is forecasted for upcoming 5days in the block.* The day temperature will be 27-29°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-76% and 21-41% respectively. There will be clear to partly cloudy sky for next 5days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	27	27	28	29	28
T-Min(°C)	16	15	15	15	16
Cloud Cover(octa)	0	0	0	4	2
RH Max (%)	73	76	67	56	62
RH Min (%)	41	31	25	21	25
Wind Speed (Kmph)	7	6	7	6	5
Wind Direction (deg)	27	360	18	340	341

**Agromet Advisory**

**General Advisory:** *As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.*

**PULSES:**

**Foggy and cool weather** may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** 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. **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.**

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of **leaf curl virus in tomato**. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** **Shoot and fruit borer and leaf eating Caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit of water per acre crop. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals.
- In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Debasish Jena**  
**SMS (Agrometeorology)**  
**Contact No-9861445080/7008453427**



**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
 (A Unit of ICAR-National Rice Research Institute)  
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 07mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**Weather advisory:** Dry weather is forecasted for upcoming 5days in the block. The day temperature will be 27-29°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-78% and 22-41% respectively. There will be clear to partly cloudy sky for next 5days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	27	27	28	29	29
T-Min(°C)	16	15	15	15	16
Cloud Cover(octa)	0	0	0	4	2
RH Max (%)	73	78	67	56	62
RH Min (%)	41	32	25	22	25
Wind Speed (Kmph)	6	6	7	6	5
Wind Direction (deg)	23	360	23	340	341

**Agromet Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

Foggy and cool weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** 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. **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.**

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of **leaf curl virus in tomato**. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** **Shoot and fruit borer and leaf eating Caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit of water per acre crop. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Debasish Jena**  
**SMS (Agrometeorology)**  
**Contact No-9861445080/7008453427**





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



**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received average 06mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**Weather advisory:** Dry weather is forecasted for upcoming 5days in the block. The day temperature will be 27-29°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-70% and 28-48% respectively. There will be clear to partly cloudy sky for next 5days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	27	27	28	29	29
T-Min(°C)	16	15	15	15	16
Cloud Cover(octa)	0	0	0	4	2
RH Max (%)	70	70	67	60	62
RH Min (%)	48	36	32	28	31
Wind Speed (Kmph)	11	9	9	9	9
Wind Direction (deg)	63	360	23	360	23

**Agromet Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

Foggy and cool weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** 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. **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.**

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of **leaf curl virus in tomato**. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** **Shoot and fruit borer and leaf eating Caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit of water per acre crop. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

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(Nodal officer)



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**Debasish Jena**  
**SMS (Agrometeorology)**  
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 (A Unit of ICAR-National Rice Research Institute)  
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



**Bulletin No.-548**  
**Date- 31/12/2024**

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received average 05mm and district received average 06mm rainfall during the last week. The mean daily maximum and minimum temperature was 26°C (-2.21) and 16°C (+2.22), respectively. The mean relative humidity was 78-88%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> January (8.30IST)2025**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-30°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-93% and 20-45% 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)				
	31/12/2024	01/01/2025	02/01/2025	03/01/2025	04/01/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	27	27	28	30	29
T-Min(°C)	15	14	14	14	14
Cloud Cover(octa)	1	0	1	4	2
RH Max (%)	93	81	52	56	76
RH Min (%)	45	32	21	20	22
Wind Speed (Kmph)	4	5	7	5	4
Wind Direction (deg)	360	345	335	338	117

**Agro met Advisory**

**General Advisory:** As dry weather is forecasted for the block so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress. At moisture stress area farmers should go for foliar spray of 2%DAP+1%MOP during flowering stage of vegetables. As Dense Fog very likely in isolated pockets Cuttack district during next 5 days, monitor the standing crops for incidence and spread of pest diseases; potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

**PULSES:**

Foggy and cool weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

The early sown rabi groundnut crop is at 3 week stage. To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**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 and stink bug chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** 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. **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl 2g/liter of water.**

**VEGETABLES:**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants. There may be chances of **leaf curl virus in tomato**. To manage, spray Thiamethoxam 25 WG @ 200 g/ac or Imidacloprid 17.8 SL @ 200 ml/ac.

**Brinjal and Chilly:** **Shoot and fruit borer and leaf eating Caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:**

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. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

**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 prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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



**Debasish Jena**  
**SMS (Agrometeorology)**  
**Contact No-9861445080/7008453427**





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



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

- 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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