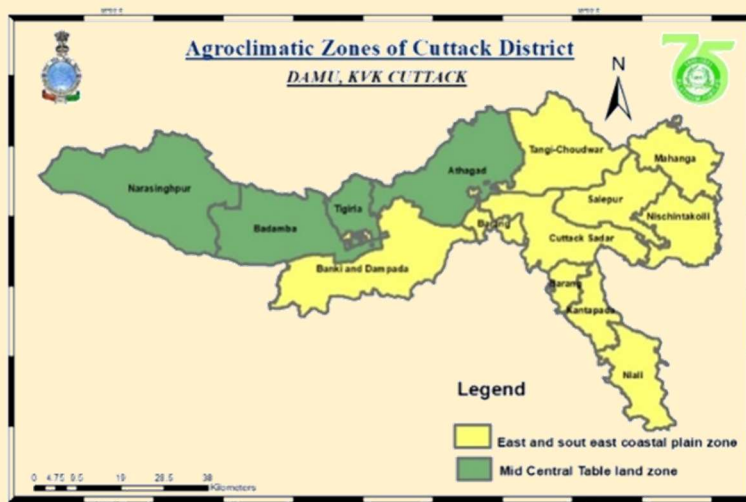




# *Cuttack District Block Wise Agro-met Advisory Service Bulletin*

*Tuesday, 19<sup>th</sup> December, 2023  
(For the period 19<sup>th</sup> to 23<sup>rd</sup> December,  
2023)*



*Issued by  
District Agro-met Unit,  
Krishi Vigyan Kendra Cuttack*



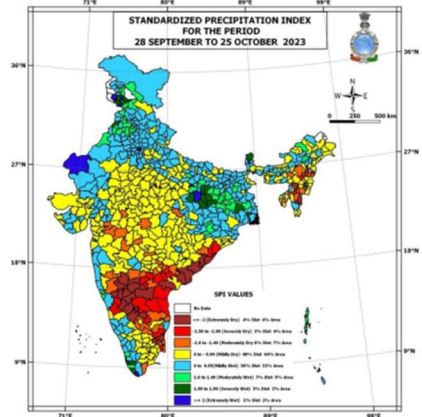
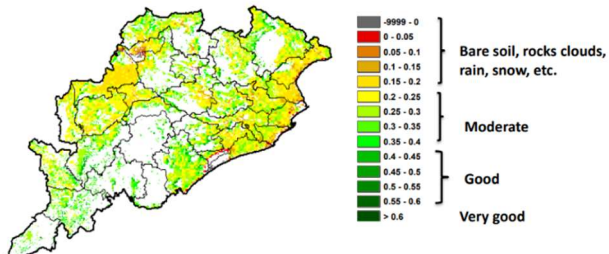


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**Bulletin No.-463**  
**Date- 19/12/2023**

**STANDARD PRECIPITATION INDEX AND NDVI MAP**

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p><b>Standardised Precipitation Index for the period 28<sup>th</sup> September to 25<sup>th</sup> October 2023</b></p>  <p>As per SPI value (cumulative 4weeks -28 September to 25 October2023), Mildly drycondition was there in Cuttack district.</p>	<p><b>NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 50 (10.12.2023 to 16.12.2023) over Agricultural region</b></p> <p style="text-align: center;"><b>Odisha</b></p>  <p>Agriculture vigour is good at few places of the state.</p> <p>According to NDVI map (10.12.2023 to 16.12.2023) the agriculture vigor was very light (&lt;0.3 NDVI value) over many places of most of blocks which indicates harvested/fallow area over the region and light (0.3-0.4 NDVI Value) which indicates near to harvest/Seedling stage of crops/Vegetables.</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

<b>LEGEND (Past week temperature )</b>		
Color code	Temperature	Departure
	Below Normal	< 2°C from normal
	Normal	-2°C to +2°C from normal
	Above Normal	>2°C from normal

**DrRanjan Kumar Mohanta**  
(Nodal officer)



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**Debasish Jena**  
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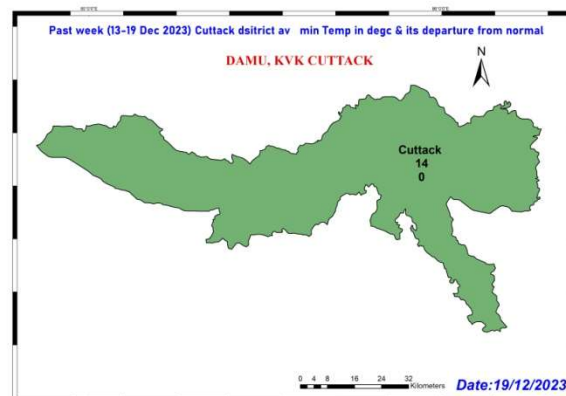
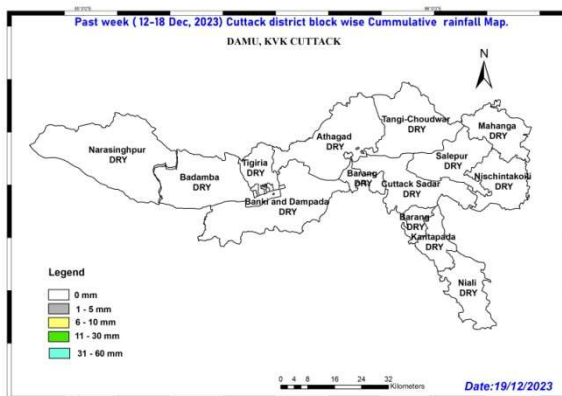


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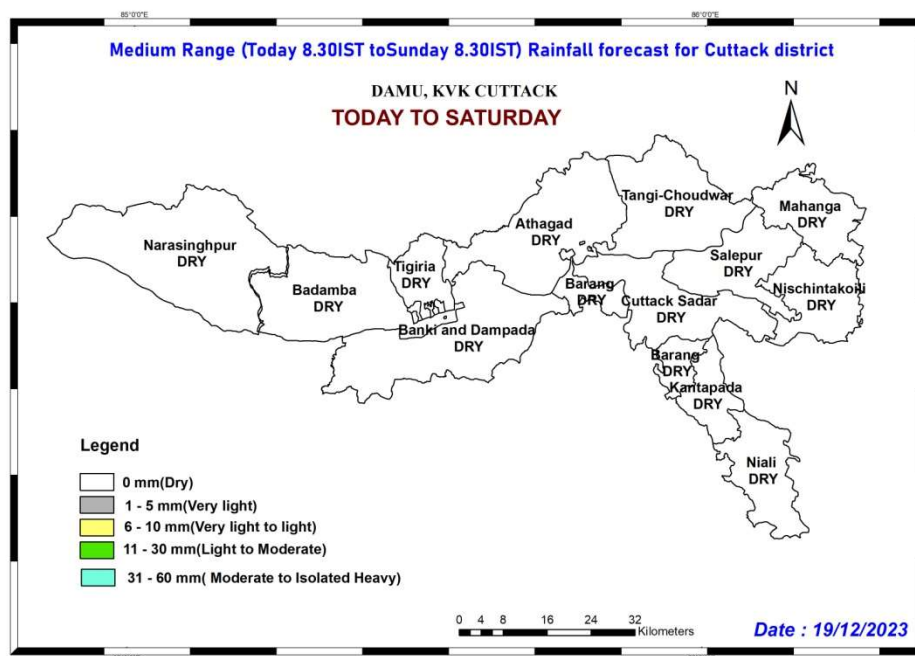


Bulletin No.-463  
Date- 19/12/2023

Past week (12-18 Dec, 2023) cumulative rainfall (mm) and (13-19 Dec) average weekly 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



DrRanjan Kumar Mohanta  
(Nodal officer)



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Bulletin No.-463

Date- 19/12/2023

**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
2	Rabi Groundnut	Vegetative stage		Leaf Miner
3	Vegetables (Tomato, Chilli, Brinjal)	Vegetative to fruiting		Thrips
				Mites
		Fruiting		Fruit and shoot borer
4	Tomato			Late blight
4	Potato	Sprouting/Vegetative stage		Cut worm and leaf eating insect
	Cole crops (Cauliflower and cabbage)	Vegetative to fruiting		Leaf eating caterpillar
5				Aphid
				Fruit borer
				Diamond back moth





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Bulletin No.-463

Date- 19/12/2023

**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

The block received average 0mm & district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was **26.4°C (-2.45°C from normal)** and **14.4°C (-0.05°C from normal)** respectively. Mean relative humidity of the district was around 70-75%.

**Forecasted period: Today(8.30IST) to 24<sup>th</sup> December (8.30IST)2023**

**Weather advisory:** *Dry weather is forecasted for next 5 days in the block.* The day temperature will be **26-28°C** and night temperature will be **13-15°C** for upcoming 5 days. Maximum and minimum relative humidity will be 54-83% and 21-26% 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	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	27	26	27	28	28
T-Min (°C)	13	13	13	14	15
Cloud Cover (octa)	0	2	0	2	2
RH Max (%)	55	54	74	83	83
RH Min (%)	24	22	21	25	26
Wind Speed (kmph)	6	6	4	4	5
Wind Direction (deg)	360	342	345	90	63

**Agromet Advisory**

**General Advisory:** *Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.*

**Kharif Rice:**

**As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.**

**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** infestation in early sown mustard crop. To manage aphids 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:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

**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.** **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

**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.

**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:**

Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**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.

**Dr Ranjan Kumar Mohanta**  
(Nodal officer)



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**KRISHI VIGYAN KENDRA CUTTACK**  
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**Bulletin No.-463**  
**Date- 19/12/2023**

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

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received average 0mm&district received average 0 mmrainfall during the last week. The mean daily maximum and minimum temperature was **26.4°C (-2.45°C from normal)** and **14.4°C (-0.05°C from normal)** respectively. Mean relative humidity of the district was around 70-75%.

**Forecasted period: Today(8.30IST) to 24<sup>th</sup> December(8.30IST)2023**

**Weatheradvisory:** *Dry weather is forecasted for next 5 days in the block.* The day temperature will be **26-28°C**and night temperature will be **11-14°C**for upcoming 5 days. Maximum and minimum relative humidity will be 53-83% and 20-26% respectively. **There will be clear to partly cloudyskyfor next 5days.**

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	26	27	28	28
T-Min(°C)	12	11	12	13	14
Cloud Cover(octa)	0	2	0	2	2
RH Max (%)	56	53	63	82	83
RH Min (%)	24	21	20	25	26
Wind Speed (Kmph)	6	6	4	4	4
Wind Direction (deg)	13	347	345	113	90

**Agromet Advisory**

**General Advisory:** *Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.*

**Kharif Rice:**

As dry weather is forecasted for upcoming 5 days ,in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

**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.

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** infestation in early sown mustard crop. To manage aphids 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 **There may be chances of white rust disease in Mustard due to decrease in temperature, to control spray Metalaxyl**

**2g/liter of water.**

**VEGETABLES:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthingupnd 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. Applychlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect.** **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

**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.

**Brinjal and Chilly:** Shoot and fruit borerandleaf eating Caterpillarmay observe in brinjal field, to control it spray Enamectin 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:**

Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrip, mitesandAphids**inBrinjal, Tomato, Chilli,colecrops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**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.

**DrRanjan Kumar Mohanta**  
**(Nodal officer)**



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**Bulletin No.-463**  
**Date- 19/12/2023**

**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week average weather condition**

The block received average 0mm&district received average 0 mmrainfall during the last week. The mean daily maximum and minimum temperature was 26.4°C (-2.45°C from normal) and 14.4°C (-0.05°C from normal) respectively. Mean relative humidity of the district was around 70-75%.

**Forecasted period: Today(8.30IST) to 24<sup>th</sup> December(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for next 5 days in the block. The day temperature will be 26-28°C and night temperature will be 12-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-84% and 20-25% 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	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	26	27	28	28
T-Min(°C)	13	12	13	14	15
Cloud Cover(octa)	0	2	0	2	2
RH Max (%)	55	53	71	83	84
RH Min (%)	23	21	20	25	25
Wind Speed (Kmph)	6	6	4	4	5
Wind Direction (deg)	360	360	345	120	135

**Agromet Advisory**

**General Advisory:** Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.

**Kharif Rice:**

As dry weather is forecasted for upcoming 5 days ,in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

**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.

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 infestation in early sown mustard crop. To manage aphids 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:**

**Onion:**

The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.

**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. To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.

**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.

**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:**

Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**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.

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(Nodal officer)



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# GRAMIN KRISHIMAUSAM 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.-463

Date- 19/12/2023

## AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 0mm&district received average 0 mmrainfall during the last week. The mean daily maximum and minimum temperature was 26.4°C (-2.45°C from normal) and 14.4°C (-0.05°C from normal) respectively. Mean relative humidity of the district was around 70-75%.

### Forecasted period: Today(8.30IST) to 24<sup>th</sup> December(8.30IST)2023

**Weather Advisory:** Dry weather is forecasted for next 5 days in the block. The day temperature will be 26-28°C and night temperature will be 12-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-83% and 20-25% 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	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	26	27	28	28
T-Min(°C)	13	12	13	14	15
Cloud Cover(octa)	0	2	0	2	2
RH Max (%)	55	53	72	83	83
RH Min (%)	23	21	20	25	25
Wind Speed (Kmph)	6	6	4	4	5
Wind Direction (deg)	360	351	345	146	135

### Agromet Advisory

**General Advisory:** Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.

#### Kharif Rice:

As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

#### 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.

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 infestation in early sown mustard crop. To manage aphids 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:

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.

**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. To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.

**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.

**Brinjal and Chilli:** 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:

Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**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.

Dr Ranjan Kumar Mohanta  
(Nodal officer)



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**Bulletin No.-463**  
**Date- 19/12/2023**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received average 0mm&district received average 0 mmrainfall during the last week. The mean daily maximum and minimum temperature was **26.4°C (-2.45°C from normal)** and **14.4°C (-0.05°C from normal)** respectively. Mean relative humidity of the district was around 70-75%.

**Forecasted period: Today(8.30IST) to 24<sup>th</sup> December(8.30IST)2023**

**Weatheradvisory:***Dry weather is forecasted for next 5 days in the block.* The day temperature will be **26-28°C** and night temperature will be **13-16°C**for upcoming 5 days. Maximum and minimum relative humidity will be 50-80% and 21-25% respectively. **There will be clear to partly cloudyskyfor next 5days.**

Block	Baranga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	26	27	28	28
T-Min(°C)	13	13	14	15	16
Cloud Cover	0	1	0	2	2
RH Max (%)	51	50	78	80	79
RH Min (%)	23	21	21	24	25
Wind Speed (Kmph)	8	6	5	5	6
Wind Direction (deg)	23	11	360	45	342

**Agromet Advisory**

**General Advisory:** *Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.*

**Kharif Rice:**

As dry weather is forecasted for upcoming 5 days ,in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

**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.

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** infestation in early sown mustard crop. To manage aphids 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:**

**Onion:**The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers areadvised to go for irrigation in the moisture sensitive stage.**

**Potato:**Go for hoeing and hand weeding at 21 DAS and earthingupnd 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.Applychlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect.** **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

**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.

**Brinjal and Chilly:****Shoot and fruit borerandleaf eating Caterpillarmay observe in brinjal field, to control it spray Enamectin 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:**

Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.There is a chance of occurrence of **thrip, mitesandAphidsinBrinjal, Tomato, Chilli,colecrops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.**

**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.

**DrRanjan Kumar Mohanta**  
(Nodal officer)



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**Bulletin No.-463**  
**Date- 19/12/2023**

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**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received average 0mm & district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **26.4°C (-2.45°C from normal)** and **14.4°C (-0.05°C from normal)** respectively. Mean relative humidity of the district was around 70-75%.

**Forecasted period: Today(8.30IST) to 24<sup>th</sup> December(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for next 5 days in the block. The day temperature will be 27-28°C and night temperature will be 13-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-80% and 22-25% 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	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	27	28	28
T-Min(°C)	14	13	14	15	16
Cloud Cover(octa)	0	1	0	2	2
RH Max (%)	52	51	75	80	77
RH Min (%)	23	22	22	25	25
Wind Speed (Kmph)	7	6	5	5	6
Wind Direction (deg)	23	18	345	23	342

**Agromet Advisory**

**General Advisory:** Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.

**Kharif Rice:**

As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

**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.

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** infestation in early sown mustard crop. To manage aphids 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**, to control spray Metalaxyl 2g/liter of water.

**VEGETABLES:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

**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**. **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

**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.

**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:**

Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachlorid 0.3 ml /liter or fipronil 2 ml /liter of water.

**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.

**Dr Ranjan Kumar Mohanta**  
**(Nodal officer)**



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**Bulletin No.-463**  
**Date- 19/12/2023**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received average 0mm & district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **26.4°C (-2.45°C from normal)** and **14.4°C (-0.05°C from normal)** respectively. Mean relative humidity of the district was around 70-75%.

**Forecasted period: Today(8.30IST) to 24<sup>th</sup> December(8.30IST)2023**

**Weather advisory:** *Dry weather is forecasted for next 5 days in the block.* The day temperature will be **27-28°C** and night temperature will be **14-16°C** for upcoming 5 days. Maximum and minimum relative humidity will be 48-79% and 22-27% 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	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	27	27	28
T-Min(°C)	14	14	15	15	16
Cloud Cover(octa)	0	1	0	2	2
RH Max (%)	48	50	79	77	78
RH Min (%)	22	22	22	25	27
Wind Speed (Kmph)	9	7	6	6	7
Wind Direction (deg)	23	360	360	45	68

**Agromet Advisory**

**General Advisory:** *Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.*

**Kharif Rice:**

As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

**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** infestation in early sown mustard crop. To manage aphids 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:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

**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.** **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

**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.

**Brinjal and Chilli:** **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:**

Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrips, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**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.

**Dr Ranjan Kumar Mohanta**  
(Nodal officer)



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Bulletin No.-463  
Date- 19/12/2023

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received average 0mm&district received average 0 mmrainfall during the last week. The mean daily maximum and minimum temperature was 26.4°C (-2.45°C from normal) and 14.4°C (-0.05°C from normal) respectively. Mean relative humidity of the district was around 70-75%.

**Forecasted period: Today(8.30IST) to 24<sup>th</sup> December(8.30IST)2023**

**Weatheradvisory::** Dry weather is forecasted for next 5 days in the block. The day temperature will be and it will be 26-28°C and night temperature will be 13-16°C for upcoming 5 days. Maximum and minimum relative humidity will 47-70% and 22-26% 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	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	26	27	27	28
T-Min(°C)	13	13	14	15	16
Cloud Cover(octal)	0	1	0	1	2
RH Max (%)	47	47	67	70	68
RH Min (%)	22	23	24	25	26
Wind Speed (Kmph)	8	7	6	6	6
Wind Direction (deg)	23	345	338	68	23

**Agro-met Advisory**

**General Advisory:** Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.

**Kharif Rice:**

As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

**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 infestation in early sown mustard crop. To manage aphids 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:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.

**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. To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.

**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.

**Brinjal and Chilli:** 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:**

Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

- **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.

Dr Ranjan Kumar Mohanta  
(Nodal officer)



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**Bulletin No.-463**  
**Date- 19/12/2023**

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received average 0mm&district received average 0 mmrainfall during the last week. The mean daily maximum and minimum temperature was **26.4°C (-2.45°C from normal)** and **14.4°C (-0.05°C from normal)** respectively. Mean relative humidity of the district was around 70-75%.

**Forecasted period: Today(8.30IST) to 24<sup>th</sup> December(8.30IST)2023**

**Weatheradvisory:** *Dry weather is forecasted for next 5 days in the block.* The day temperature will be **25-28°C** and night temperature will be **11-13°C** for upcoming 5 days. Maximum and minimum relative humidity will be 52-82% and 20-26% 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	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	26	25	26	27	28
T-Min(°C)	11	11	11	12	13
Cloud Cover(/octa)	0	2	0	3	2
RH Max (%)	56	52	52	81	82
RH Min (%)	23	21	20	23	26
Wind Speed (Kmph)	5	5	3	3	3
Wind Direction (deg)	347	342	349	126	113

**Agromet Advisory**

**General Advisory:** *Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.*

**Kharif Rice:**

**As dry weather is forecasted for upcoming 5 days ,in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.**

**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** infestation in early sown mustard crop. To manage aphids 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:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

**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.** **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

**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.

**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:**

Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

• **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.

**Dr Ranjan Kumar Mohanta**  
 (Nodal officer)



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**Bulletin No.-463**  
**Date- 19/12/2023**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received average 0mm & district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.4°C (-2.45°C from normal) and 14.4°C (-0.05°C from normal) respectively. Mean relative humidity of the district was around 70-75%.

**Forecasted period: Today(8.30IST) to 24<sup>th</sup> December(8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for next 5 days in the block. The day temperature will be 27-28°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 49-79% and 22-29% respectively. There will be clear to partly cloudy for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	27	27	28
T-Min(°C)	14	14	15	15	16
Cloud Cover(octa)	0	1	0	3	2
RH Max (%)	49	52	79	76	78
RH Min (%)	23	22	24	27	29
Wind Speed(Kmph)	10	8	7	7	7
Wind Direction(deg)	23	23	15	45	75

**Agromet Advisory**

**General Advisory:** Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.

**Kharif Rice:**

As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

**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 infestation in early sown mustard crop. To manage aphids 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, to control spray Metalaxyl 2g/litre of water.

**VEGETABLES:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.

**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. To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.

**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.

**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:**

Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**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.

**Dr Ranjan Kumar Mohanta**  
(Nodal officer)



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**Bulletin No.-463**  
**Date- 19/12/2023**

**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

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

The block received average 0mm&district received average 0 mmrainfall during the last week. The mean daily maximum and minimum temperature was **26.4°C (-2.45°C from normal)** and **14.4°C (-0.05°C from normal)** respectively. Mean relative humidity of the district was around 70-75%.

**Forecasted period: Today(8.30IST) to 24<sup>th</sup> December(8.30IST)2023**

**Weatheradvisory::***Dry weather is forecasted for next 5 days in the block.* The day temperature will be **26-28°C** and night temperature will be **14-16°C** for upcoming 5 days. Maximum and minimum relative humidity will be **47-71%** and **22-26%** 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	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	26	27	27	28
T-Min(°C)	14	14	14	15	16
Cloud Cover(octa)	0	1	0	1	2
RH Max (%)	47	47	70	71	71
RH Min (%)	22	23	24	25	26
Wind Speed (Kmph)	9	7	6	6	6
Wind Direction (deg)	23	345	23	45	360

**Agromet Advisory**

**General Advisory:** *Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.*

**Kharif Rice:**

As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

**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** infestation in early sown mustard crop. To manage aphids 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, to control spray Metalaxyl 2g/liter of water.

**VEGETABLES:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

**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.** **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

**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.

**Brinjal and Chilli:** 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:**

Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

- **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.

**Dr Ranjan Kumar Mohanta**  
(Nodal officer)



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**Bulletin No.-463**  
**Date- 19/12/2023**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 0mm&district received average 0 mmrainfall during the last week. The mean daily maximum and minimum temperature was **26.4°C (-2.45°C from normal)** and **14.4°C (-0.05°C from normal)** respectively. Mean relative humidity of the district was around 70-75%.

**Forecasted period: Today(8.30IST) to 24<sup>th</sup> December(8.30IST)2023**

**Weather advisory::Dry weather is forecasted for next 5 days in the block.** The day temperature will be **26-28°C** and night temperature will be **14-16°C** for upcoming 5 days. Maximum and minimum relative humidity will be **47-72%** and **22-26%** respectively. **There will be clear to partly cloudy for next 5 days.**

Block	Salepur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	26	27	27	28
T-Min(°C)	14	14	15	15	16
Cloud Cover(octa)	0	1	0	1	2
RH Max (%)	48	47	70	72	72
RH Min (%)	22	23	23	25	26
Wind Speed (Kmph)	9	7	6	6	6
Wind Direction (deg)	23	360	360	45	360

**Agromet Advisory**

**General Advisory:** Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.

**Kharif Rice:**

As dry weather is forecasted for upcoming 5 days ,in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

**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** infestation in early sown mustard crop. To manage aphids 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, to control spray Metalaxyl 2g/liter of water.

**VEGETABLES:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

**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.** **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

**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.

**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:**

Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrips, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

• **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.

**Dr Ranjan Kumar Mohanta**  
(Nodal officer)



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# GRAMIN KRISHIMAUSAM 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.-463

Date- 19/12/2023

## AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 0mm&district received average 0 mmrainfall during the last week. The mean daily maximum and minimum temperature was 26.4°C (-2.45°C from normal) and 14.4°C (-0.05°C from normal) respectively. Mean relative humidity of the district was around 70-75%.

### Forecasted period: Today(8.30IST) to 24<sup>th</sup> December(8.30IST)2023

**Weatheradvisory::Dry weather is forecasted for next 5 days in the block.** The day temperature will be 27-28°C and night temperature will be 17-19°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 49-67% and 28-35% respectively. **There will be clear to partly cloudyskyfor next 5days.**

Block	Tangi-Choudwar(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	27	27	28
T-Min(°C)	17	17	18	18	19
Cloud Cover(octa)	0	2	0	3	2
RH Max (%)	49	51	67	66	66
RH Min (%)	28	30	33	35	35
Wind Speed (Kmph)	14	12	10	8	9
Wind Direction (deg)	32	45	349	101	101

### Agromet Advisory

**General Advisory:** Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.

#### Kharif Rice:

As dry weather is forecasted for upcoming 5 days ,in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

#### 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 infestation in early sown mustard crop. To manage aphids 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:

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers areadvised to go for irrigation in the moisture sensitive stage.**

**Potato:**Go for hoeing and hand weeding at 21 DAS and earthingupnd 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.Applychlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect. **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

**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.

**Brinjal and Chilly:**Shoot and fruit borerandleaf eating Caterpillarmay observe in brinjal field, to control it spray Enamectin 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:

Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.There is a chance of occurrence of thrip, mitesandAphidsinBrinjal, Tomato, Chilli,colecrops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

- **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.







**GRAMIN KRISHIMAUSAM SEWA**  
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**Bulletin No.-463**  
**Date- 19/12/2023**

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received average 0mm&district received average 0 mmrainfall during the last week. The mean daily maximum and minimum temperature was 26.4°C (-2.45°C from normal) and 14.4°C (-0.05°C from normal) respectively. Mean relative humidity of the district was around 70-75%.

**Forecasted period: Today(8.30IST) to 24<sup>th</sup>December (8.30IST)2023**

**Weatheradvisory: Dry weather is forecasted for next 5 days in the block.** The day temperature will be 26-28°C and night temperature will be 12-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-83% and 20-26% 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	19/12/2023	20/12/2023	21/12/2023	22/12/2023	23/12/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	26	27	28	28
T-Min(°C)	12	12	13	14	15
Cloud Cover(octa)	0	2	0	2	2
RH Max (%)	56	55	69	83	83
RH Min (%)	24	22	20	25	26
Wind Speed (Kmph)	6	6	4	4	4
Wind Direction (deg)	11	349	345	120	72

**Agro met Advisory**

**General Advisory:** Provide light irrigation to standing vegetables and crops during morning and evening hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. 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.

**Kharif Rice:**

As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

**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** infestation in early sown mustard crop. To manage aphids 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, to control spray Metalaxyl 2g/liter of water.

**VEGETABLES:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

**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.** **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

**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.

**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:**

Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

- **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.

**Dr Ranjan Kumar Mohanta**  
 (Nodal officer)



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



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 Date- 19/12/2023

				
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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	Agromet division, IMD, Pune	<a href="https://imdagrmet.gov.in/imdproject/AGIndex.php">https://imdagrmet.gov.in/imdproject/AGIndex.php</a>	