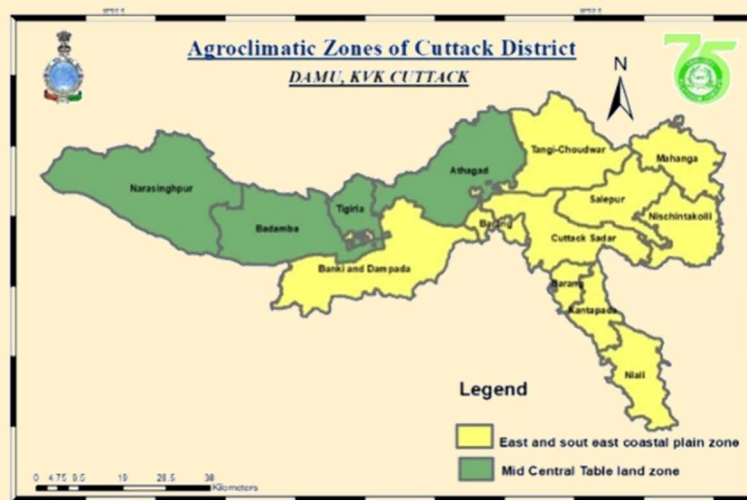




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday, 05th January, 2024
(For the period 05th to 09th January,
2024)*



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



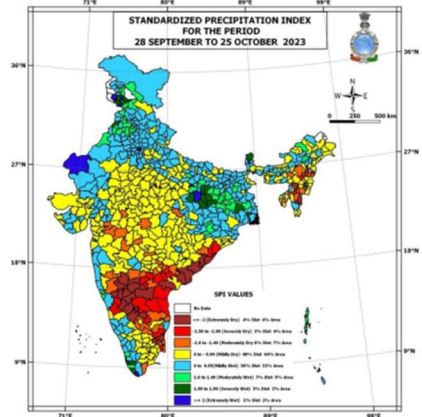
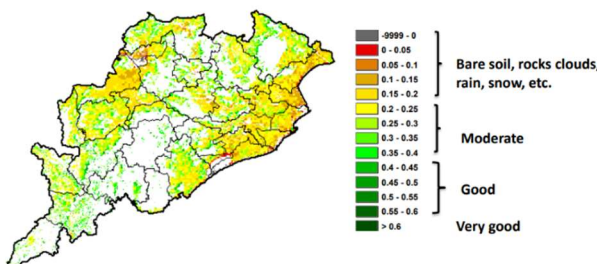


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INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
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Bulletin No.-468
Date- 05/01/2024

STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p align="center">Standardised Precipitation Index for the period 28th September to 25th October 2023</p>  <p align="center">As per SPI value (cumulative 4weeks -28 September to 25 October2023), Mildly dry condition was there in Cuttack district.</p>	<p align="center">NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 52 (24.12.2023 to 31.12.2023) over Agricultural region</p> <p align="center">Odisha</p>  <p align="center">Agriculture vigour is good at isolated places of the state.</p>

LEGEND (Medium range block level rainfall forecast)		
	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

LEGEND (Past week temperature)		
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
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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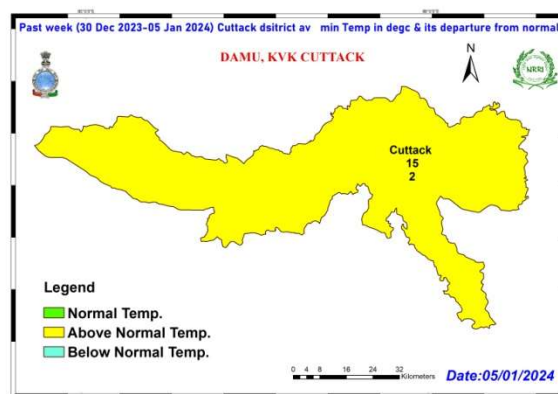
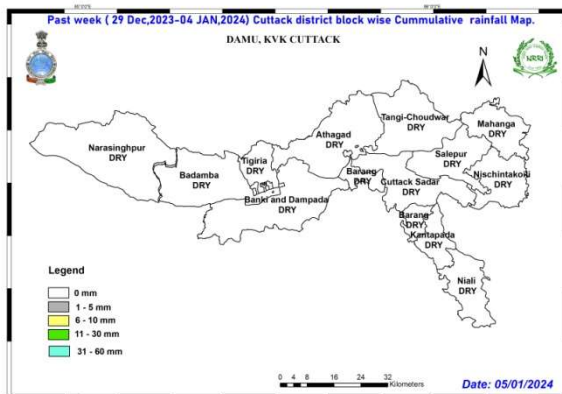
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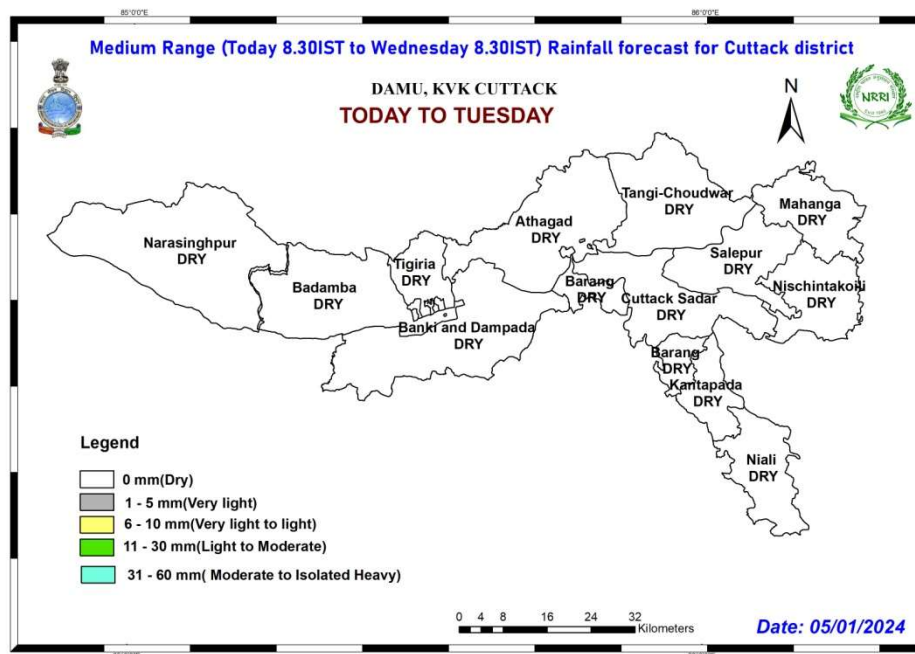
Bulletin No.-468

Date- 05/01/2024

Past week (29 Dec, 2023-04 Jan, 2024) cumulative rainfall (mm) and (30 Dec, 2023-05 Jan, 2024) average weekly minimum temperature and its departure from normal for Cuttack district



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



DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-468

Date- 05/01/2024

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	Pulses (Green gram and black gram)	Vegetative stage to flowering		Aphid
				Powdery mildew
2	Mustard	Vegetative stage to flowering		Aphid
				Stink Bug
				White rust
3	Rabi Groundnut	Vegetative stage to flowering		Leaf Miner
				Aphid and Mites
4	Vegetables (Tomato, Chilli, Brinjal)	Vegetative to fruiting		Thrips
				Mites
				Chili Aphid
5	Brinjal	Fruiting		Fruit and shoot borer
6	Tomato	Vegetative		White fly
				Leaf Curl virus
		Fruiting		Late blight
7	Potato	Sprouting/Vegetative stage		Leaf Blight











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

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Bulletin No.-468
Date- 05/01/2024

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 **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

Weather advisory: *Dry weather is forecasted for next 5 days in the block.* The day temperature will be 28°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-87% and 24-30% 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	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	28	28	28	28
T-Min (°C)	15	16	16	17	18
Cloud Cover (octa)	0	0	0	1	3
RH Max (%)	83	85	86	87	85
RH Min (%)	27	24	27	27	30
Wind Speed (kmph)	7	7	7	5	6
Wind Direction (deg)	113	135	75	30	75

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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. **Foggy 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:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering 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. To manage **aphids and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. **Due to foggy weather,** There may be chances of **white rust** disease in Mustard, to control spray Metalaxyl 2g/litre of water. There are chances of **Aphid** and **stink bug** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- 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. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

POTATO:

Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage **leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

Onion:

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

Animal husbandry:

The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-468
Date- 05/01/2024

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 mm rainfall during the last week. The mean daily maximum and minimum temperature was **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today (8.30 IST) to 10th January (8.30 IST) 2024

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 14-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-87% and 24-29% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	27	27	28	28
T-Min (°C)	14	15	15	16	17
Cloud Cover (octa)	0	0	0	1	3
RH Max (%)	87	83	87	85	80
RH Min (%)	25	24	26	26	29
Wind Speed (Kmph)	7	7	6	5	5
Wind Direction (deg)	135	158	117	68	180

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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. Foggy 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:

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

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. Due to foggy weather, There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- 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. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:**
Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:**
The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Animal husbandry:

The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-468
Date- 05/01/2024

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 **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

Weather advisory: *Dry weather is forecasted for next 5 days in the block.* The day temperature will be **27-29°C** and night temperature will be **15-18°C** for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 24-30% 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	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	27	29	28
T-Min(°C)	15	15	16	17	18
Cloud Cover(octa)	0	0	0	1	3
RH Max (%)	85	85	87	87	82
RH Min (%)	26	24	27	26	30
Wind Speed (Kmph)	7	8	7	5	6
Wind Direction (deg)	113	153	117	68	68

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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. **Foggy 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:

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Bulletin No.-468

Date- 05/01/2024

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 **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

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 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-87% and 24-30% 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	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	27	28	28
T-Min(°C)	15	15	16	17	18
Cloud Cover(octa)	0	0	0	1	3
RH Max (%)	85	84	87	87	83
RH Min (%)	26	24	27	26	30
Wind Speed (Kmph)	7	8	7	5	6
Wind Direction (deg)	113	135	117	68	68

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 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:

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Rabi-Groundnut:

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

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. Due to foggy weather, There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- 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. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:**
Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

Onion:

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

Animal husbandry:

The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

DrRanjan 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.-468

Date- 05/01/2024

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 **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

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 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-86% and 26-31% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	27	28	28
T-Min(°C)	16	16	16	17	18
Cloud Cover	0	0	0	1	3
RH Max (%)	77	81	81	86	83
RH Min (%)	29	26	29	27	31
Wind Speed (Kmph)	9	8	8	7	7
Wind Direction (deg)	90	113	75	68	68

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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. **Foggy 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:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering 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. To manage **aphids and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. **Due to foggy weather,** There may be chances of **white rust** disease in Mustard, to control spray Metalaxyl 2g/liter of water. There are chances of **Aphid** and **stink bug** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- 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. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:**
Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage **leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

Onion:

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

Animal husbandry:

The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-468

Date- 05/01/2024

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 mmrainfall during the last week. The mean daily maximum and minimum temperature was **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

Weather advisory: *Dry weather is forecasted for next 5 days in the block.* The day temperature will be 28°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-85% and 26-31% 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	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	28	28	28
T-Min(°C)	16	16	16	17	18
Cloud Cover(octa)	0	0	0	1	3
RH Max (%)	77	81	80	85	84
RH Min (%)	29	26	29	27	31
Wind Speed (Kmph)	8	8	8	6	7
Wind Direction (deg)	90	117	75	68	75

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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. **Foggy 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:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering 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. To manage **aphids and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. **Due to foggy weather**, There may be chances of **white rust** disease in Mustard, to control spray Metalaxyl 2g/liter of water. There are chances of **Aphid** and **stink bug** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- 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. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:**
Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage **leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:**
The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Animal husbandry:

The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR KANTAPADA



Bulletin No.-468

Date- 05/01/2024

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 **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be **28°C** and night temperature will be **16-19°C** for upcoming 5 days. Maximum and minimum relative humidity will be 76-84% and 28-32% 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	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	28	28	28
T-Min(°C)	16	16	17	17	19
Cloud Cover(octa)	0	0	0	1	3
RH Max (%)	76	80	78	84	81
RH Min (%)	32	29	31	28	32
Wind Speed (Kmph)	9	9	9	8	8
Wind Direction (deg)	338	113	90	90	68

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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. Foggy 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:

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

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. Due to foggy weather, There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- 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. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:**
Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

Onion:

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

Animal husbandry:

The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.





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AGROMET ADVISORY BULLETIN FOR MAHANGA



Bulletin No.-468

Date- 05/01/2024

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 **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be and it will be 27-28°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will 69-79% and 30-34% 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	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	27	28	27
T-Min(°C)	16	16	16	17	18
Cloud Cover(octal)	0	0	0	1	3
RH Max (%)	70	72	69	76	79
RH Min (%)	33	30	33	30	34
Wind Speed (Kmph)	9	8	9	8	8
Wind Direction (deg)	90	108	90	68	75

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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. Foggy 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:

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

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. Due to foggy weather, There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- 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. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:**
Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:**
The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Animal husbandry:

- The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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INDIA METEOROLOGICAL DEPARTMENT
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Bulletin No.-468
Date- 05/01/2024

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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 **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

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 14-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-90% and 24-28% 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	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	26	27	28	28
T-Min(°C)	14	14	14	15	17
Cloud Cover(/octa)	0	0	0	1	3
RH Max (%)	90	81	85	82	80
RH Min (%)	25	24	26	26	28
Wind Speed (Kmph)	6	5	5	4	4
Wind Direction (deg)	195	161	117	117	120

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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. Foggy 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:

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

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. Due to foggy weather, There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- 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. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:**
Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

Onion:

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

Animal husbandry:

- The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-468
Date- 05/01/2024

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 mmrainfall during the last week. The mean daily maximum and minimum temperature was **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

Weather advisory: *Dry weather is forecasted for next 5 days in the block.* The day temperature will be **28°C** and night temperature will be **16-19°C** for upcoming 5 days. Maximum and minimum relative humidity will be 78-85% and 30-35% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	28	28	28
T-Min(°C)	16	16	17	17	19
Cloud Cover(octa)	0	0	1	1	3
RH Max (%)	78	81	79	85	82
RH Min (%)	35	32	32	30	35
Wind Speed(Kmph)	10	9	10	9	8
Wind Direction(deg)	101	113	101	108	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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. Foggy 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:

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

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. Due to foggy weather, There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- 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 indoxacarb14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:**
Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:**
The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Animal husbandry:

The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-468
Date- 05/01/2024

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 **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

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 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-79% and 29-33% 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	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	27	28	27
T-Min(°C)	16	16	16	17	19
Cloud Cover(octa)	0	0	0	1	3
RH Max (%)	71	73	70	77	79
RH Min (%)	33	30	33	29	33
Wind Speed (Kmph)	9	8	9	8	8
Wind Direction (deg)	338	108	90	68	75

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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. Foggy 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:

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

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. Due to foggy weather, There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-litre of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.
- 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. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:**
 Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:**
 The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Animal husbandry:

- The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-468
Date- 05/01/2024

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 **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

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 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 71-80% and 29-33% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	27	28	27
T-Min(°C)	16	16	16	17	19
Cloud Cover(octa)	0	0	0	1	3
RH Max (%)	71	74	71	78	80
RH Min (%)	32	29	32	29	33
Wind Speed (Kmph)	9	8	9	8	8
Wind Direction (deg)	338	108	90	68	75

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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. Foggy 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:

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

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. **Due to foggy weather,** There may be chances of **white rust** disease in Mustard, to control spray Metalaxyl 2g/litre of water. There are chances of **Aphid** and **stink bug** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- 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. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:**
Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage **leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:**
The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Animal husbandry:

- The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-468

Date- 05/01/2024

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 **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

Weather advisory::Dry weather is forecasted for next 5 days in the block. The day temperature will be **28-30°C** and night temperature will be **18-22°C** for upcoming 5 days. Maximum and minimum relative humidity will be 69-80% and 36-43% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	29	30	29
T-Min(°C)	18	19	20	20	22
Cloud Cover(octa)	0	0	1	1	3
RH Max (%)	75	72	69	77	80
RH Min (%)	43	40	40	36	42
Wind Speed (Kmph)	11	11	11	11	10
Wind Direction (deg)	75	109	79	68	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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. Foggy 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:

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

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. **Due to foggy weather,** There may be chances of **white rust** disease in Mustard, to control spray Metalaxyl 2g/litre of water. There are chances of **Aphid** and **stink bug** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- 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 indoxacarb14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:**
Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage **leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

Onion:

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

Animal husbandry:

The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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Bulletin No.-468
Date- 05/01/2024

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 **26.5°C (-1.2°C from normal)** and **15.4°C (+2.01°C from normal)**, respectively. Mean relative humidity of the district was around 72-84%.

Forecasted period: Today(8.30IST) to 10th January (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be **28°C** and night temperature will be **15-18°C** for upcoming 5 days. Maximum and minimum relative humidity will be 84-87% and 23-30% 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	05/01/2024	06/01/2024	07/01/2024	08/01/2024	09/01/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	28	28	28
T-Min(°C)	15	15	16	16	18
Cloud Cover(octa)	0	0	0	1	3
RH Max (%)	85	85	87	87	84
RH Min (%)	26	23	27	27	30
Wind Speed (Kmph)	7	7	6	5	6
Wind Direction (deg)	113	135	113	30	75

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 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:

Start sowing of pulses by utilization of residual soil moisture. If moisture is insufficient go for irrigation as dry weather is forecasted in coming 5 days. Foggy 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:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering 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. To manage **aphids and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding followed by irrigation. Thin out the plants and maintain optimum plant population. **Due to foggy weather,** There may be chances of **white rust** disease in Mustard, to control spray Metalaxyl 2g/liter of water. There are chances of **Aphid** and **stink bug** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

Vegetables:

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- 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. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:**
Due to foggy and cold weather, there are chances of early/late leaf Blight disease incidence in potato crop. To manage **leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:**
The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Animal husbandry:

The poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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(Nodal officer)



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APP for Lightening alert in your area



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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	https://icar-nrri.in/agromate/	
2	Agrimet division, IMD, Pune	https://imdagrmet.gov.in/imdproject/AGIndex.php	