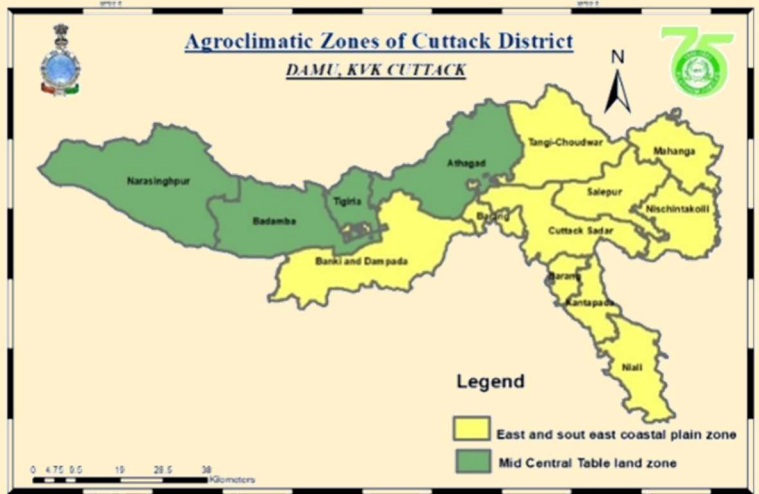




# *Cuttack District Block Wise Agro-met Advisory Service Bulletin*

*Tuesday, 17<sup>th</sup> December, 2024  
 (For the period 17<sup>th</sup> to 21<sup>st</sup> December,  
 2024)*

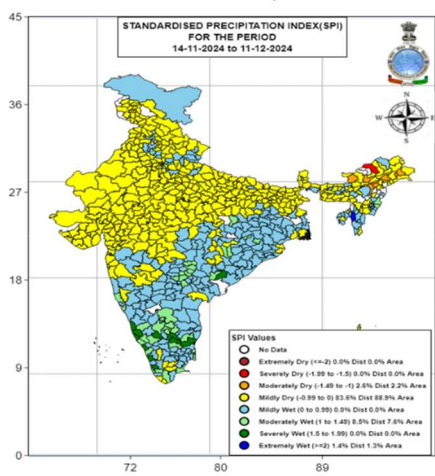
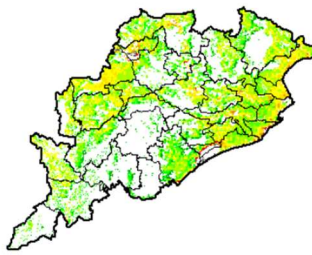


*Issued by  
 District Agromet Unit,  
 KrishiVigyan Kendra Cuttack*





**STANDARD PRECIPITATION INDEX AND NDVI MAP**

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p style="text-align: center;">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p>  <p style="font-size: small;">SPI Values</p> <ul style="list-style-type: none"> <li>○ No Data</li> <li>● Extremely Dry (-1.4 to -2) 0.0% Dist 0.0% Area</li> <li>● Severely Dry (-1.25 to -1.5) 0.0% Dist 0.0% Area</li> <li>● Moderately Dry (-1.49 to -1) 2.0% Dist 2.2% Area</li> <li>● Mildly Dry (-0.99 to -0.5) 83.0% Dist 88.0% Area</li> <li>● Mildly Wet (0 to 0.99) 0.0% Dist 0.0% Area</li> <li>● Moderately Wet (1 to 1.49) 8.5% Dist 7.6% Area</li> <li>● Severely Wet (1.5 to 1.99) 0.0% Dist 0.0% Area</li> <li>● Extremely Wet (&gt;=2) 1.4% Dist 1.3% Area</li> </ul>	<p style="text-align: center;">NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 49 (02.12.2024 to 08.12.2024) over Agricultural region</p> <p style="text-align: center;"><b>Odisha</b></p>  <ul style="list-style-type: none"> <li>-9999 - 0</li> <li>0 - 0.05</li> <li>0.05 - 0.1</li> <li>0.1 - 0.15</li> <li>0.15 - 0.2</li> <li>0.2 - 0.25</li> <li>0.25 - 0.3</li> <li>0.3 - 0.35</li> <li>0.35 - 0.4</li> <li>0.4 - 0.45</li> <li>0.45 - 0.5</li> <li>0.5 - 0.55</li> <li>0.55 - 0.6</li> <li>&gt; 0.6</li> </ul> <p style="font-size: small;">Bare soil, rocks clouds, rain, snow, etc.</p> <p style="font-size: small;">Moderate</p> <p style="font-size: small;">Good</p> <p style="font-size: small;">Very good</p> <p style="text-align: center;">Agriculture vigour is good at few places of the state.</p>
<p style="background-color: #00FFFF; padding: 2px;"><b>As per SPI value (cumulative 4weeks -14 November to 11 December, 2024), mildly wet condition was there in Cuttack district.</b></p>	<p style="background-color: #00FF00; padding: 2px;"><b>According to NDVI map (02.12.2024 to 08.12.2024) the agriculture vigor was moderate overmost places of Cuttack district.</b></p>

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




















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**Bulletin No.-545**  
**Date- 17/12/2024**

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

Sl No	Crop	Stage and condition of the crop	Anticipated Disease and pest	
1	Pulses (Green gram and black gram)	Vegetative stage		Aphid
1	Mustard	Vegetative stage		Aphid
				Saw fly
2	Rabi Groundnut	Vegetative stage		Leaf Miner
3	Vegetables (Tomato,Chilli, Brinjal)	Vegetative to fruiting		Thrips
				Mites
				Chili Aphid
4	Brinjal	Fruiting		Fruit and shoot borer
5	Tomato	Vegetative		Bacterial wilt
		Fruiting		Late blight
6	Potato	Sprouting/Vegetative stage		Leaf Blight
7	Cole crops (Cauliflower and cabbage)	Vegetative to fruiting		Leaf eating caterpillar
				Aphid
				Fruit borer
				DBM

Dr Sujata Sethy  
 (Nodal officer)



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**Bulletin No.-545**  
**Date- 17/12/2024**

**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December(8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 18-29°C and night temperature will be 13-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-96% and 31-88% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall (mm)	00	00	08	25	14
T-Max (°C)	28	29	26	18	19
T-Min (°C)	16	19	17	16	13
Cloud Cover (octa)	8	8	8	8	7
RH Max (%)	74	68	87	95	96
RH Min (%)	31	42	40	88	77
Wind Speed (kmph)	6	9	10	10	9
Wind Direction (deg)	342	90	63	54	23

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

**Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @1 g/ litre of water.

**Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

**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 Chlorantranilprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
 (Nodal officer)



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**Debasish Jena**

**SMS (Agrometeorology)**

**Contact No-9861445080/7008453427**



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**Bulletin No.-545**  
**Date- 17/12/2024**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 18-28°C and night temperature will be 13-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-97% and 27-91% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	09	27	15
T-Max(°C)	28	28	26	18	20
T-Min(°C)	15	18	17	16	13
Cloud Cover(octa)	8	8	8	8	7
RH Max (%)	76	72	91	95	97
RH Min (%)	27	43	39	91	81
Wind Speed (Kmph)	5	8	8	8	7
Wind Direction (deg)	349	90	45	54	19

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

**Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

**Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

**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:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Debasish Jena**

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**Bulletin No.-545**  
**Date- 17/12/2024**

**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week average weather condition**

The district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 18-28°C and night temperature will be 13-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-96% and 29-88% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	08	26	15
T-Max(°C)	28	28	26	18	20
T-Min(°C)	16	18	17	16	13
Cloud Cover(octa)	8	8	8	8	7
RH Max (%)	74	70	86	95	96
RH Min (%)	29	44	41	88	79
Wind Speed (Kmph)	7	9	10	10	9
Wind Direction (deg)	349	90	45	27	18

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

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**Vegetables:**

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**Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

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**(Nodal officer)**



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**Bulletin No.-545**  
**Date- 17/12/2024**

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPADA**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather Advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 18-28°C and night temperature will be 13-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-96% and 30-87% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	08	26	15
T-Max(°C)	28	28	26	18	19
T-Min(°C)	16	18	17	16	13
Cloud Cover(octa)	8	8	8	8	7
RH Max (%)	73	69	86	95	96
RH Min (%)	30	43	41	87	78
Wind Speed (Kmph)	7	9	10	11	10
Wind Direction (deg)	349	90	45	27	21

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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 Sulfox 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

• **Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @1 g/ litre of water.

• **Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

• **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:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:**

• In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Debasish Jena**

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**Bulletin No.-545**  
**Date- 17/12/2024**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 19-29°C and night temperature will be 14-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-95% and 34-82% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	07	22	17
T-Max(°C)	27	29	26	19	19
T-Min(°C)	17	19	18	16	14
Cloud Cover	7	8	8	8	7
RH Max (%)	66	68	76	92	95
RH Min (%)	34	42	44	82	75
Wind Speed (Kmph)	8	11	13	16	16
Wind Direction (deg)	30	68	32	27	23

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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 Sulfox 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

• **Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

• **Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

• **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:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:**

• In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Debasish Jena**

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**Bulletin No.-545**  
**Date- 17/12/2024**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 19-29°C and night temperature will be 14-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-95% and 33-84% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	08	24	18
T-Max(°C)	28	29	26	19	19
T-Min(°C)	17	19	18	17	14
Cloud Cover(octa)	8	8	8	8	7
RH Max (%)	68	66	80	94	95
RH Min (%)	33	41	42	84	75
Wind Speed (Kmph)	8	11	12	15	14
Wind Direction (deg)	30	64	63	32	23

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

**Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @1 g/ litre of water.

**Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

**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 Chlorantranilprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Debasish Jena**

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**Bulletin No.-545**  
**Date- 17/12/2024**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 19-29°C and night temperature will be 14-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-93% and 37-77% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	06	24	20
T-Max(°C)	27	29	26	21	19
T-Min(°C)	18	20	19	17	14
Cloud Cover(octa)	7	8	8	8	7
RH Max (%)	68	71	73	92	93
RH Min (%)	37	44	47	77	75
Wind Speed (Kmph)	9	12	13	18	19
Wind Direction (deg)	32	68	27	24	23

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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 in 200 -litre of water.

**Mustard:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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 in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

**Vegetables:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

**Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @1 g/ litre of water.

**Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

**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 Chlorantranilprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
 (Nodal officer)



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**Debasish Jena**

**SMS (Agrometeorology)**

**Contact No-9861445080/7008453427**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be and it will be 19-29°C and night temperature will be 14-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 64-94% and 36-81% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	08	23	19
T-Max(°C)	27	29	25	19	19
T-Min(°C)	17	19	17	16	14
Cloud Cover(octal)	7	8	8	8	7
RH Max (%)	65	64	78	93	94
RH Min (%)	36	44	45	81	76
Wind Speed (Kmph)	8	11	12	17	18
Wind Direction (deg)	30	58	58	27	23

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

**Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

**Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

**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:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Bulletin No.-545**  
**Date- 17/12/2024**

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 17-28°C and night temperature will be 12-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-98% and 23-94% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	10	30	15
T-Max(°C)	28	28	26	17	19
T-Min(°C)	13	17	16	15	12
Cloud Cover(octa)	7	6	8	8	7
RH Max (%)	79	80	94	96	98
RH Min (%)	23	39	39	94	83
Wind Speed (Kmph)	4	6	6	6	5
Wind Direction (deg)	341	105	36	65	360

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

**Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @1 g/ litre of water.

**Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

**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:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Bulletin No.-545**  
**Date- 17/12/2024**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 19-29°C and night temperature will be 14-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-93% and 38-76% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	07	24	20
T-Max(°C)	27	29	26	22	19
T-Min(°C)	18	20	20	18	14
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	70	73	78	93	92
RH Min (%)	38	47	50	75	76
Wind Speed(Kmph)	10	13	13	18	20
Wind Direction(deg)	32	64	45	24	23

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

• **Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @1 g/ litre of water.

• **Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

• **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:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:**

• In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
(Nodal officer)



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**Bulletin No.-545**  
**Date- 17/12/2024**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 19-29°C and night temperature will be 14-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-93% and 38-78% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	07	22	20
T-Max(°C)	27	29	25	20	19
T-Min(°C)	18	20	18	17	14
Cloud Cover(octa)	7	8	8	8	7
RH Max (%)	66	66	75	92	93
RH Min (%)	38	45	46	78	76
Wind Speed (Kmph)	9	11	13	18	19
Wind Direction (deg)	23	58	45	24	23

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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 Sulfox 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

**Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

**Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

**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:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

**Dr Sujata Sethy**  
 (Nodal officer)



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**Bulletin No.-545**  
**Date- 17/12/2024**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 19-29°C and night temperature will be 14-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-94% and 37-79% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	07	22	20
T-Max(°C)	27	29	25	20	19
T-Min(°C)	18	20	18	17	14
Cloud Cover(octa)	7	8	8	8	7
RH Max (%)	66	65	76	92	94
RH Min (%)	37	45	46	79	75
Wind Speed (Kmph)	9	11	13	18	18
Wind Direction (deg)	30	58	45	27	23

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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 in 200 -litre of water.

**Mustard:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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 in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

**Vegetables:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

**Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

**Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

**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 Chlorantranilprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

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



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**Debasish Jena**

**SMS (Agrometeorology)**

**Contact No-9861445080/7008453427**



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**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
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**Bulletin No.-545**  
**Date- 17/12/2024**

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 19-29°C and night temperature will be 14-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-93% and 44-78% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	08	25	15
T-Max(°C)	27	29	25	20	19
T-Min(°C)	18	20	18	17	14
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	70	72	79	93	90
RH Min (%)	44	51	53	70	78
Wind Speed (Kmph)	12	15	14	19	24
Wind Direction (deg)	32	66	63	45	23

**Agromet Advisory**

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

**Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @1 g/ litre of water.

**Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

**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 Chlorantranilprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:**

In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

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



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**Debasish Jena**

**SMS (Agrometeorology)**

**Contact No-9861445080/7008453427**





**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received average 00mm and district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was 26.14°C (-2.84) and 13°C (-1.57), respectively. The mean relative humidity was 71-77%.

**Forecasted period: Today(8.30IST) to 22<sup>nd</sup> December (8.30IST)2024**

**Weather advisory:** Light to moderate rainfall is forecasted in between Thursday to Saturday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 18-29°C and night temperature will be 13-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-96% and 29-90% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/12/2024	18/12/2024	19/12/2024	20/12/2024	21/12/2024
Rainfall(mm)	00	00	10	29	14
T-Max(°C)	28	29	26	18	19
T-Min(°C)	15	18	17	16	13
Cloud Cover(octa)	8	8	8	8	7
RH Max (%)	76	69	90	95	96
RH Min (%)	29	43	40	90	79
Wind Speed (Kmph)	6	8	9	8	8
Wind Direction (deg)	349	90	63	45	19

**Agro met Advisory**

**General Advisory:** Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and

**General Advisory:** Stop irrigation, fertilizer and pesticide application on Thursday onwards to standing crops like Mustard, rabi groundnut and other rabi vegetables due to forecast of rain. After rain by utilization of rain water farmers should complete rabi oil seeds, pulses and vegetables.

**Pulses:** Forecasted Cloudy and foggy weather thereafter 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. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. 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:** In view of weather condition during next five days; farmers are advised to don't irrigate the mustard crop. Due to partly cloudy weather, there are chances of Aphid 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-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:**

**Transplanting of mature seedlings of tomato, cauliflower, cabbage, knol khol and broccoli crop may be done in the raised bed.**

**Potato:** After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants 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. Due to forecasted rain and foggy weather in upcoming days there are chances of 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.

**Tomato:** Stop irrigation activities as rainfall is forecasted. Due to rain and foggy weather in upcoming days, chances of leaf blight likely to happen in tomato. To avoid blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. To manage Whitefly chemically sprays Thiamethoxam 25 % WG @ 40-gram/acre or Pyriproxifen 10% EC @ 200-ml/acre or Spiromesifen 22.9% SC @ 250-ml/acre by mixing in 200- litre of water. If Bacterial wilt will occur in brinjal and tomato. To control them, drench with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre of water.

**Onion:** In present weather conditions, constant monitoring of timely sown onion crop against attack of thrips and infection of purple blotch should be done. Need based spraying of Diethane M -45 @ 3 grams per litre of water with sticky material are advised.

**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 Chlorantranilprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Due to slight increase in temperature 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 cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

**Animal husbandry:**

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**Dr Sujata Sethy**  
(Nodal officer)



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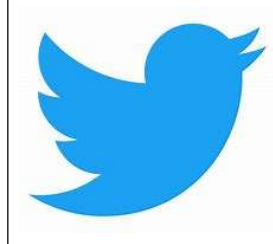
**Contact No-9861445080/7008453427**





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**INDIA METEOROLOGICAL DEPARTMENT**  
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Bulletin No.-545  
Date- 17/12/2024

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

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

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