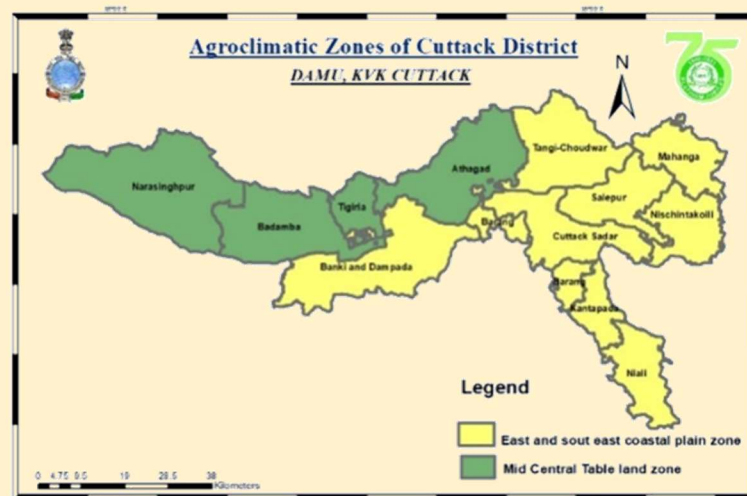




# Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday, 30<sup>th</sup> December, 2022  
(For the period 30<sup>th</sup> December 2022 to  
03<sup>rd</sup> January, 2023)*



*Issued by  
District Agromet Unit,  
KrishiVigyan Kendra Cuttack*





**GRAMIN KRISHI MAUSAM SEWA**  
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**Bulletin No.-361**  
**Date- 30/12/2022**

**STANDARD PRECIPITATION INDEX AND NDVI MAP**

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p>Standardised Precipitation Index for the period 1<sup>st</sup> December 2022 to 28<sup>th</sup> December 2022</p> <p>MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p>STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 01 DEC 2022 TO 28 DEC 2022</p> <p>SPI VALUES</p> <ul style="list-style-type: none"> <li>&lt;= -2 (Extremely Dry)</li> <li>-1.50 to -1.00 (Moderately Dry)</li> <li>-1.0 to -0.50 (Moderately Dry)</li> <li>0 to -0.50 (Moderately Dry)</li> <li>0 to 0.50 (Moderately Wet)</li> <li>0.50 to 1.00 (Moderately Wet)</li> <li>1.50 to 2.00 (Extremely Wet)</li> <li>&gt;= 2 (Extremely Wet)</li> <li>The Data</li> </ul>	<p>NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 51 (17.12.2022 to 23.12.2022) over Agricultural region</p> <p>Odisha</p> <p>Agriculture vigour is good over isolated places and moderate over many places of the state.</p> <p>Legend:</p> <ul style="list-style-type: none"> <li>-0.999 - 0</li> <li>0 - 0.05</li> <li>0.05 - 0.1</li> <li>0.1 - 0.15</li> <li>0.15 - 0.2</li> <li>0.2 - 0.25</li> <li>0.25 - 0.3</li> <li>0.3 - 0.35</li> <li>0.35 - 0.4</li> <li>0.4 - 0.45</li> <li>0.45 - 0.5</li> <li>0.5 - 0.55</li> <li>0.55 - 0.6</li> <li>&gt; 0.6</li> </ul> <p>Bare soil, rocks clouds, rain, snow, etc.</p> <p>Moderate</p> <p>Good</p> <p>Very good</p>
<p><b>As per SPI value (cumulative 4weeks -01 – 28 December2022), mildly wet condition was there in Cuttack district.</b></p>	<p><b>According to NDVI map (17.12.2022 to 23.12.2022) the agriculture vigor was light to moderate over maximum block 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

Dr Sujata Sethy  
(Nodal officer)



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**Bulletin No.-361**  
**Date- 30/12/2022**

**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
				Black headed caterpillar
				Powdery mildew
				YMV
2	Mustard	Vegetative stage		Aphid
				Saw fly
				Leaf webber
				Stink Bug
				White rust
3	Rabi Groundnut	Vegetative stage		Leaf Miner
4	Vegetables (Tomato, Chilli, Brinjal)	Vegetative to fruiting		Thrips
				Mites
				Chili Aphid
5	Brinjal	Fruiting		Fruit and shoot borer
6	Tomato	Vegetative		White fly

**Dr Sujata Sethy**  
 (Nodal officer)



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				Leaf Curl virus
		Fruiting		Late blight
7	Potato	Sprouting/Vegetative stage		Leaf Blight
8	Cole crops (Cauliflower and cabbage)	Vegetative to fruiting		Leaf eating caterpillar
				Aphid
				Fruit borer
				Diamond back moth
				Tobacco Caterpillar

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**(Nodal officer)**



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**Bulletin No.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 29-30°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-95% and 24-38% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	29	30	29	30	29
T-Min (°C)	17	19	18	18	17
Cloud Cover (octa)	2	2	2	1	0
RH Max (%)	93	95	87	83	85
RH Min (%)	24	30	38	33	31
Wind Speed (kmph)	5	6	8	7	7
Wind Direction (deg)	341	150	150	158	113

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

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 dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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 and leaf webbers 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:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Transplanting of mature seedlings of tomato, cauliflower, cabbage, knolkhol 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/ltr of water against the attack of cut worm and leaf eating insect. Due to past foggy weather 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.

- 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.

**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.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 29-31°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-95% and 21-39% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	29	30	29
T-Min(°C)	16	19	17	17	16
Cloud Cover(octa)	1	2	2	1	0
RH Max (%)	95	95	88	85	89
RH Min (%)	21	27	39	33	30
Wind Speed (Kmph)	4	6	8	6	7
Wind Direction (deg)	333	153	144	150	135

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride @ 0.2gm/lit.

**Rabi-Groundnut:**

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 dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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 and leaf webbers 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:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Transplanting of mature seedlings of tomato, cauliflower, cabbage, knolkhol 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 past foggy weather 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.

- 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.

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

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**(Nodal officer)**



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**Bulletin No.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week average weather condition**

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 29-30°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-94% and 23-39% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	30	29	30	29
T-Min(°C)	17	19	17	17	16
Cloud Cover(octa)	2	2	2	2	0
RH Max (%)	94	93	87	83	86
RH Min (%)	23	30	39	33	31
Wind Speed (Kmph)	5	7	8	7	7
Wind Direction (deg)	338	135	154	117	135

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

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**Mustard:**

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**(Nodal officer)**



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**Bulletin No.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPADA**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather Advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 29-30°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-94% and 23-39% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	30	29	30	29
T-Min(°C)	17	19	17	17	16
Cloud Cover(octa)	2	1	2	2	0
RH Max (%)	94	93	87	83	86
RH Min (%)	23	30	39	33	31
Wind Speed (Kmph)	5	7	8	7	7
Wind Direction (deg)	338	158	154	117	135

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride @0.2gm/lit.

**Rabi-Groundnut:**

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 dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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 and leaf webbers 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:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Transplanting of mature seedlings of tomato, cauliflower, cabbage, knolkhol 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 past foggy weather 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.

- 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.

**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.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-94% and 27-41% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	30	29	29	28
T-Min(°C)	18	19	18	18	17
Cloud Cover	2	0	2	2	0
RH Max (%)	94	92	87	79	79
RH Min (%)	27	33	41	34	33
Wind Speed (Kmph)	5	7	8	8	9
Wind Direction (deg)	338	158	79	75	23

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

**Rabi-Groundnut:**

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 dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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 and leaf webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

**Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Transplanting of mature seedlings of tomato, cauliflower, cabbage, knolkhol 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/ltr of water against the attack of cut worm and leaf eating insect. Due to past foggy weather 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.

- 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.

- **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.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-94% and 26-41% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	30	29	29	28
T-Min(°C)	18	19	18	18	17
Cloud Cover(octa)	2	0	2	1	0
RH Max (%)	94	93	87	80	78
RH Min (%)	26	31	41	34	33
Wind Speed (Kmph)	5	6	7	7	8
Wind Direction (deg)	342	158	90	63	23

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

**Rabi-Groundnut:**

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 dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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 and leaf webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

**Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Transplanting of mature seedlings of tomato, cauliflower, cabbage, knolkhol 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/ltr of water against the attack of cut worm and leaf eating insect. Due to past foggy weather 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.

- 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.

**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.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-29°C and night temperature will be 17-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-92% and 29-42% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	29	29	28
T-Min(°C)	18	20	19	18	17
Cloud Cover(octa)	2	0	1	2	0
RH Max (%)	92	88	84	79	75
RH Min (%)	29	38	42	37	35
Wind Speed (Kmph)	5	8	8	8	9
Wind Direction (deg)	338	153	146	113	90

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamidpride@0.2gm/lit.

**Rabi-Groundnut:**

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 Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:**

In view of dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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 Acetamidprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly and leaf webbers spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyriphos 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:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Transplanting of mature seedlings of tomato, cauliflower, cabbage, knolkhol 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 chlorpyriphos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect. Due to past foggy weather 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.

- 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.

**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.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be and it will be 28-30°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-94% and 26-44% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	30	28	29	28
T-Min(°C)	18	19	18	18	17
Cloud Cover(octal)	2	0	2	1	0
RH Max (%)	94	90	85	78	68
RH Min (%)	26	33	44	37	37
Wind Speed (Kmph)	5	6	7	8	9
Wind Direction (deg)	342	165	124	45	90

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamidpride@0.2gm/ltr.

**Rabi-Groundnut:**

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 dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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 Acetamidpride 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly and leaf webbers 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:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Transplanting of mature seedlings of tomato, cauliflower, cabbage, knolkhol 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/ltr of water against the attack of cut worm and leaf eating insect. Due to past foggy weather 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.

- 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.

**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.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-31°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-95% and 19-42% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	28	30	28
T-Min(°C)	14	18	16	16	15
Cloud Cover(octa)	1	2	1	1	0
RH Max (%)	94	95	91	90	93
RH Min (%)	19	22	42	33	30
Wind Speed (Kmph)	3	4	6	5	6
Wind Direction (deg)	333	135	135	153	124

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @0.2gm/ltr.

**Rabi-Groundnut:**

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 dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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 and leaf webbers 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:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Transplanting of mature seedlings of tomato, cauliflower, cabbage, knolkhol 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/ltr of water against the attack of cut worm and leaf eating insect. Due to past foggy weather 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.

- 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.
- 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.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-29°C and night temperature will be 17-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-91% and 34-43% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	29	29	28
T-Min(°C)	18	20	19	18	17
Cloud Cover(octa)	2	0	0	1	0
RH Max (%)	91	84	81	80	76
RH Min (%)	34	43	42	39	38
Wind Speed(Kmph)	6	8	9	9	10
Wind Direction(deg)	338	154	120	109	113

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

**Rabi-Groundnut:**

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 dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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 and leaf webbers 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:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Transplanting of mature seedlings of tomato, cauliflower, cabbage, knolkhol 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/ltr of water against the attack of cut worm and leaf eating insect. Due to past foggy weather 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.
- 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.
- **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.-361**  
**Date- 30/12/2022**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 17-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-93% and 27-43% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	30	28	29	28
T-Min(°C)	18	20	19	18	17
Cloud Cover(octa)	2	0	2	1	0
RH Max (%)	93	90	85	78	69
RH Min (%)	27	34	43	37	37
Wind Speed (Kmph)	5	7	7	8	9
Wind Direction (deg)	342	158	23	45	90

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

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 dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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-litre of water. To manage Mustard sawfly and leaf webbers 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:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Transplanting of mature seedlings of tomato, cauliflower, cabbage, knolkhol 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/ltr of water against the attack of cut worm and leaf eating insect. Due to past foggy weather 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.

- 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.

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

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**(Nodal officer)**



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**Bulletin No.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 17-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-93% and 27-44% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	30	28	29	28
T-Min(°C)	18	20	19	18	17
Cloud Cover(octa)	2	2	2	1	0
RH Max (%)	93	91	85	78	70
RH Min (%)	27	33	44	36	36
Wind Speed (Kmph)	5	7	7	8	9
Wind Direction (deg)	342	165	23	45	90

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

**Rabi-Groundnut:**

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 dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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 and leaf webbers 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:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Transplanting of mature seedlings of tomato, cauliflower, cabbage, knolkhol 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/ltr of water against the attack of cut worm and leaf eating insect. Due to past foggy weather 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.

- 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.

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

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**Bulletin No.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-29°C and night temperature will be 19-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-86% and 40-54% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	28
T-Min(°C)	20	22	21	19	19
Cloud Cover(octa)	2	0	0	0	0
RH Max (%)	86	77	76	80	66
RH Min (%)	40	54	45	44	46
Wind Speed (Kmph)	6	9	10	11	12
Wind Direction (deg)	158	156	113	109	75

**Agromet Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

**Rabi-Groundnut:**

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 dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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 and leaf webbers 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:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- Transplanting of mature seedlings of tomato, cauliflower, cabbage, knolkhol 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/ltr of water against the attack of cut worm and leaf eating insect. Due to past foggy weather 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.

- 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.

- **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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 APP for Lightening alert in your area



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**Bulletin No.-361**  
**Date- 30/12/2022**

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.42°C (+2.15 from normal) and 17°C (+3.18 from normal), respectively. The mean relative humidity was 63-80%.

**Forecasted period: Today(8.30IST) to 04<sup>th</sup> January (8.30IST)2023**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 29-31°C and night temperature will be 16-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-95% and 23-38% 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	30/12/2022	31/12/2022	01/01/2023	02/01/2023	03/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	29	30	29
T-Min(°C)	16	20	17	17	16
Cloud Cover(octa)	2	2	2	1	0
RH Max (%)	93	95	87	84	87
RH Min (%)	23	29	38	33	31
Wind Speed (Kmph)	5	6	8	6	7
Wind Direction (deg)	341	120	144	150	113

**Agro met Advisory**

**General Advisory:** Due to low night temperature coupled with fog during the past few days, there is chance of infestation of sucking pests, leaf blight, powdery mildew in the rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures. Due to slight increase in max and min temperature from normal in upcoming 3-4 days, Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from moisture stress.

**Pulses:** In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

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 dry weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS (4-6 leaf stage). Due to foggy weather in past, there are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids and stink bug 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-litre of water. To manage Mustard sawfly and leaf webbers 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:**

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**Potato:**

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

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



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

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

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

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

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

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

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