

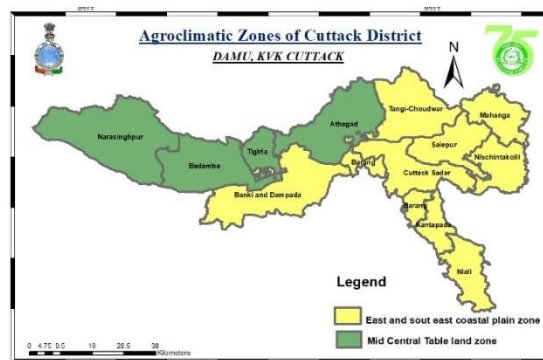


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DISTRICT AGROMET UNIT
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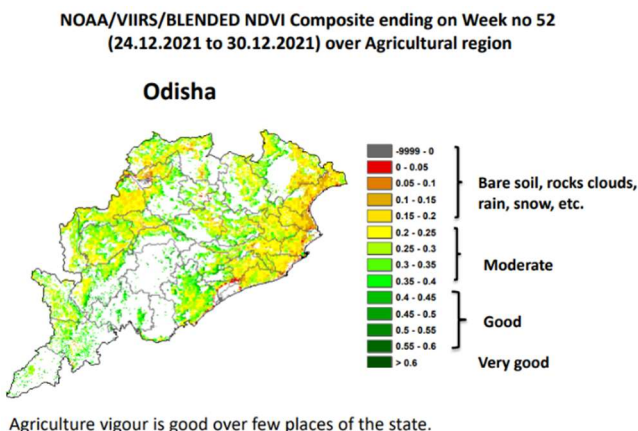
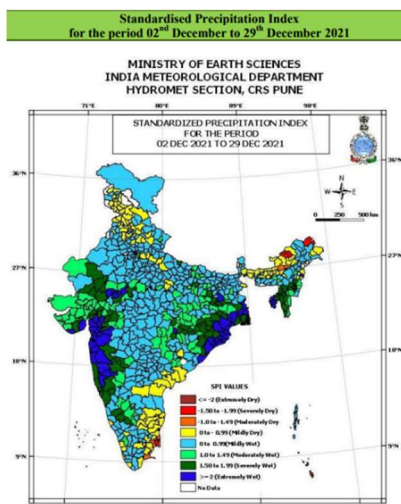


Bulletin No.-259
Date- 04/01/2022

AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARD PRECIPITATION INDEX AND NDVI MAP



As per SPI value (cumulative 4weeks - 02December -29 December 2021), Extremely wet condition was there in Cuttack district.

According to NDVI map (24.12.2021 to 30.12.2021) the agriculture vigor was light over most eastern blocks and light to moderate over most western blocks of Cuttack district.

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

Dr Sujata Sethy
 (Nodal officer)



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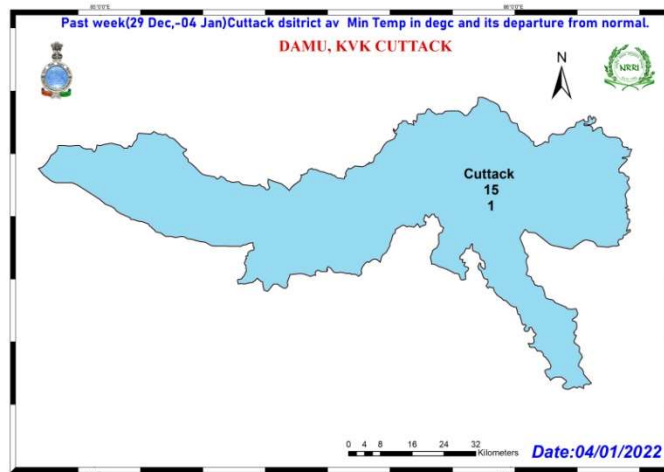
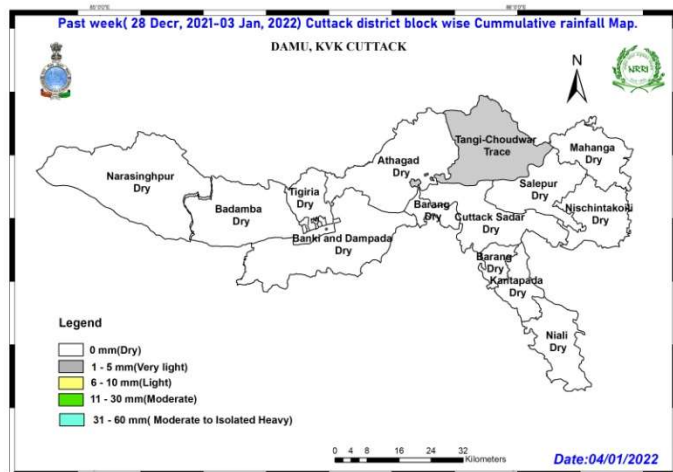


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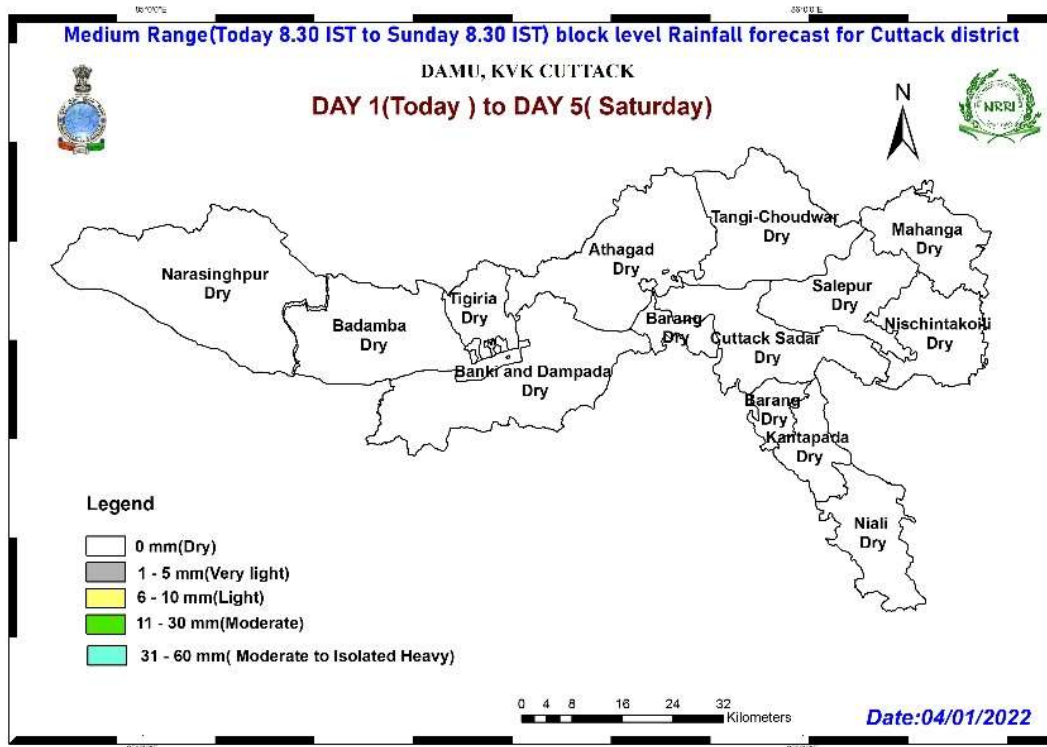


Bulletin No.-259
 Date- 04/01/2022

Past week (28 Dec, 2021-03 Jan, 2022) cumulative rainfall and (29 Dec-04 Jan) average minimum temperature and its departure from normal for Cuttack district



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



Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-259
Date- 04/01/2022

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (09-15 January 2022)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	268.47	Above Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	0.74	Normal
	Minimum temperature	0.73	Normal

General Agromet Advisory-: There will be above normal rainfall in subsequent week after 5 days (09-15 January 2022) in Odisha condition, and there will be dry weather is forecasted for upcoming 5 days. Farmers are advised to shift their threshed paddy to safe place and should go for sowing of rabi crops and vegetables as there will be rainfall condition in subsequent week.

Dr Sujata Sethy
(Nodal officer)



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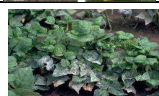













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Bulletin No.-259

Date- 04/01/2022

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 to flowering 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
				Leaf Curl virus

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Bulletin No.-259
Date- 04/01/2022

		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.-259

Date- 04/01/2022

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 0mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory:: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 27°C and night temperature will be 12-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 57-85% and 25-28% respectively. There will be mainly clear sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	27	27	27	27	27
T-Min (°C)	12	12	14	14	15
Cloud Cover (octa)	0	0	0	0	0
RH Max (%)	57	65	66	69	85
RH Min (%)	25	25	26	26	28
Wind Speed (kmph)	6	5	5	7	6
Wind Direction (deg)	79	113	68	113	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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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.-259
Date- 04/01/2022

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 0mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 27-28°C and night temperature will be 11-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-83% and 25-27% respectively. There will be mainly clear sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	28	28	28	27
T-Min(°C)	11	12	14	14	15
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	60	71	71	76	83
RH Min (%)	25	25	26	27	27
Wind Speed (Kmph)	5	4	5	6	6
Wind Direction (deg)	68	150	124	153	146

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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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.-259
Date- 04/01/2022

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 26-27°C and night temperature will be 11-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-85% and 25-27% respectively. There will be mainly clear sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	26	27	27	27	27
T-Min(°C)	11	12	14	15	15
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	58	69	69	73	85
RH Min (%)	25	25	26	26	27
Wind Speed (Kmph)	6	5	5	7	6
Wind Direction (deg)	90	150	68	113	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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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 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 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 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:

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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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(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA



Bulletin No.-259

Date- 04/01/2022

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

The block received average 0mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather Advisory: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 27-28°C and night temperature will be 12-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 57-85% and 25-27% respectively. There will be mainly clear sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	28	28	28	28
T-Min(°C)	12	13	15	15	16
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	57	68	69	72	85
RH Min (%)	25	25	26	26	27
Wind Speed (Kmph)	6	5	5	7	6
Wind Direction (deg)	90	150	68	113	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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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 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 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 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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Debasish Jena

SMS (Agrometeorology)

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Bulletin No.-259
Date- 04/01/2022

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 0mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 27-28°C and night temperature will be 12-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-81% and 23-29% respectively. There will be mainly clear sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	28	28	28	28
T-Min(°C)	12	13	15	15	16
Cloud Cover	0	0	0	0	0
RH Max (%)	53	60	61	63	81
RH Min (%)	25	23	25	26	29
Wind Speed (Kmph)	8	7	7	8	7
Wind Direction (deg)	68	338	23	90	108

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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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 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/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.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-259

Date- 04/01/2022

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 0mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 27-28°C and night temperature will be 13-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-80% and 24-29% respectively. There will be mainly clear sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	28	28	27	27
T-Min(°C)	13	14	16	16	17
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	54	58	58	61	80
RH Min (%)	25	24	26	26	29
Wind Speed (Kmph)	7	6	7	7	7
Wind Direction (deg)	71	105	45	90	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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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.-259

Date- 04/01/2022

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 0mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 27-28°C and night temperature will be 13-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-79% and 24-31% respectively. There will be mainly clear sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	28	28	27	27
T-Min(°C)	13	14	16	16	17
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	54	60	62	62	79
RH Min (%)	26	24	26	28	31
Wind Speed (Kmph)	8	8	8	8	7
Wind Direction (deg)	56	15	75	75	108

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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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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AGROMET ADVISORY BULLETIN FOR MAHANGA



Bulletin No.-259

Date- 04/01/2022

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

The block received average 0mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be and it will be 27-28°C and night temperature will be 13-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-68% and 24-33% respectively. There will be mainly clear sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	28	28	27	27
T-Min(°C)	13	14	16	16	17
Cloud Cover(octal)	0	0	0	0	0
RH Max (%)	51	53	53	57	68
RH Min (%)	27	24	27	28	33
Wind Speed (Kmph)	8	7	8	8	7
Wind Direction (deg)	349	23	23	90	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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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 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/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 emamectin benzoate 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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SMS (Agrometeorology)

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**GRAMIN KRISHIMAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK**

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Bulletin No.-259

Date- 04/01/2022

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 0mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 27-28°C and night temperature will be 11-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-80% and 24-27% respectively. There will be mainly clear sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	28	27	27	28
T-Min(°C)	11	12	14	14	15
Cloud Cover(octa)	0	0	0	0	1
RH Max (%)	65	72	73	80	78
RH Min (%)	24	25	26	27	27
Wind Speed (Kmph)	4	3	4	5	5
Wind Direction (deg)	68	113	124	146	150

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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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.-259
Date- 04/01/2022

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 0mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 27-28°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-80% and 25-34% respectively. There will be mainly clear sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	28	28	27
T-Min(°C)	15	16	16	17	17
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	55	61	64	63	80
RH Min (%)	27	25	27	30	34
Wind Speed(Kmph)	9	9	9	9	8
Wind Direction(deg)	45	23	75	75	101

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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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 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/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.-259

Date- 04/01/2022

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 0mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 27-28°C and night temperature will be 14-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-69% and 24-33% respectively. There will be mainly clear sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	28	28	28	27
T-Min(°C)	14	14	16	17	17
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	51	55	55	57	69
RH Min (%)	27	24	27	28	33
Wind Speed (Kmph)	8	8	8	8	7
Wind Direction (deg)	349	23	23	75	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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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

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Bulletin No.-259
Date- 04/01/2022

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 0mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory: Dry weather is forecasted for upcoming 5days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 27-28°C and night temperature will be 14-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-70% and 24-32% respectively. There will be mainly clear sky for next 5days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	28	28	28	27
T-Min(°C)	14	14	16	16	17
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	51	55	55	57	70
RH Min (%)	27	24	27	28	32
Wind Speed (Kmph)	8	7	8	8	7
Wind Direction (deg)	349	23	23	23	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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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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AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR



Bulletin No.-259

Date- 04/01/2022

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

The block received average 0.2mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 26-28°C and night temperature will be 12-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-69% and 33-43% respectively. There will be mainly clear sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	26	27	28	28	27
T-Min(°C)	12	13	15	16	16
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	56	59	56	59	69
RH Min (%)	36	33	36	38	43
Wind Speed (Kmph)	11	10	11	11	9
Wind Direction (deg)	45	60	65	65	71

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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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 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 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 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/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.-259
Date- 04/01/2022

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 0mm and district received average 0.01 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-0.92°C from normal) and 14.8°C (+1.38°C from normal), respectively. Mean relative humidity of the district was around 73-86%.

Forecasted period: Today(8.30IST) to 09th January (8.30IST)2022

Weather advisory: Dry weather is forecasted for upcoming 5 days and no large change in minimum temperature for upcoming 2 days and gradual rise by 2°C to 3 °C in subsequent 3 days in the block. The day temperature will be 27-28°C and night temperature will be 12-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-85% and 26-28% respectively. There will be mainly clear sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/01/2022	05/01/2022	06/01/2022	07/01/2022	08/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	28	28	27	27
T-Min(°C)	12	13	15	16	16
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	59	68	68	72	85
RH Min (%)	26	26	26	27	28
Wind Speed (Kmph)	6	5	5	6	6
Wind Direction (deg)	68	150	68	113	117

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. Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from fog, low temperature and moisture stress. Carry out weeding, hoeing and other intercultural operations in rabi vegetables.

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:

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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.

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Bulletin No.-259
 Date- 04/01/2022

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

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