

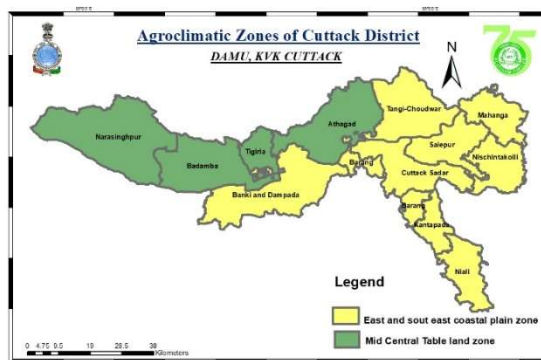


GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
 (A Unit of ICAR-National Rice Research Institute)
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

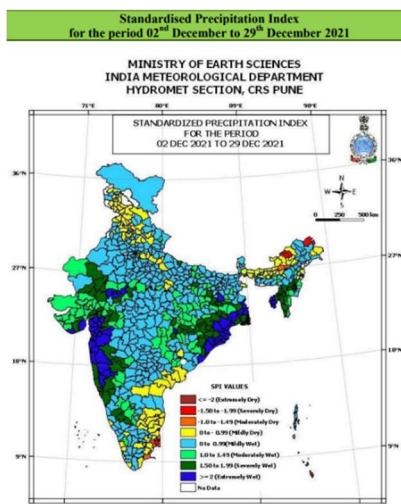


Bulletin No.-258
Date- 31/12/2021

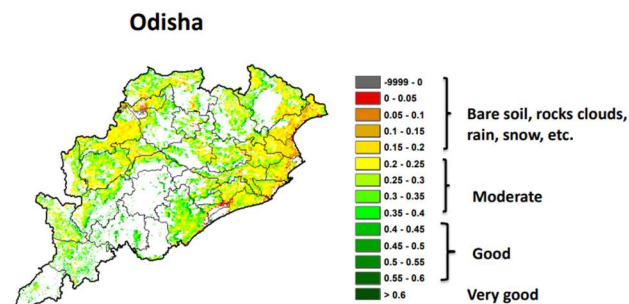
AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARD PRECIPITATION INDEX AND NDVI MAP



**NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 51
 (17.12.2021 to 23.12.2021) over Agricultural region**



Agriculture vigour is good over isolated places of the state.

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

According to NDVI map (17.12.2021 to 23.12.2021) the agriculture vigor was light over 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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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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Bulletin No.-258
 Date- 31/12/2021

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (05-11 January 2022)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	370.93	Above Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	-0.02	Normal
	Minimum temperature	0.10	Normal

General Agromet Advisory--: There will be above normal rainfall in subsequent week after 5 days (05-11 January 2022) in Odisha condition, and there will be dry weather is forecasted for upcoming 5 days. **Farmers should go for sowing of rabi vegetables and crops in the coming and subsequent week.**

Dr Sujata Sethy
 (Nodal officer)



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Debasish Jena
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Bulletin No.-258

Date- 31/12/2021

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

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

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Bulletin No.-258
Date- 31/12/2021

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 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather advisory:: dry weather is forecasted for upcoming 5days in the block and minimum temperature will likely to be decrease in upcoming 5days. The day temperature will be 27°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 57-78% and 25-42% respectively. There will be mainly clear sky for next 5days.

Block	Athagad(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	27	27	27	27	27
T-Min (°C)	17	17	16	15	15
Cloud Cover (octa)	1	1	0	0	0
RH Max (%)	78	71	74	58	57
RH Min (%)	42	40	37	28	25
Wind Speed (kmph)	8	6	5	6	5
Wind Direction (deg)	68	45	15	351	15

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

Vegetables:

Transplanting of mature seedlings of tomato, cauliflower, cabbage, 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 forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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

Brinjal and Chilly: Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

Cabbage and Cauliflower: Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

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(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-258
Date- 31/12/2021

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 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather advisory: dry weather is forecasted for upcoming 5days in the block and minimum temperature will likely to be decrease in upcoming 5days. The day temperature will be 25-28°C and night temperature will be 09-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-77% and 25-41% respectively. There will be mainly clear sky for next 5days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	28	27	26	25
T-Min(°C)	13	11	10	09	09
Cloud Cover(octa)	2	1	0	0	0
RH Max (%)	76	77	75	58	59
RH Min (%)	41	40	38	29	25
Wind Speed (Kmph)	6	5	4	5	4
Wind Direction (deg)	68	34	63	349	15

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

• **Vegetables:**

Transplanting of mature seedlings of tomato, cauliflower, cabbage, 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 forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
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(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-258
Date- 31/12/2021

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather advisory: dry weather is forecasted for upcoming 5 days in the block and minimum temperature will likely to be decrease in upcoming 5 days. The day temperature will be 26-27°C and night temperature will be 11-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-76% and 25-41% respectively. There will be mainly clear sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	27	26	26
T-Min(°C)	13	12	11	11	11
Cloud Cover(octa)	1	1	0	0	0
RH Max (%)	76	73	75	58	58
RH Min (%)	41	40	37	29	25
Wind Speed (Kmph)	7	6	5	5	5
Wind Direction (deg)	68	45	23	360	15

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

• **Vegetables:**

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Potato: After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect. Due to forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

Dr Sujata Sethy
(Nodal officer)



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(A Unit of ICAR-National Rice Research Institute)



Bulletin No.-258
Date- 31/12/2021

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

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 0mm and district received average 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather Advisory: dry weather is forecasted for upcoming 5days in the block and minimum temperature will likely to be decrease in upcoming 5days. The day temperature will be 26-27°C and night temperature will be 11-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 57-76% and 25-41% respectively. There will be mainly clear sky for next 5days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	27	26	26
T-Min(°C)	13	12	11	11	11
Cloud Cover(octa)	1	1	0	0	0
RH Max (%)	76	73	75	58	57
RH Min (%)	41	40	36	29	25
Wind Speed (Kmph)	7	6	5	5	5
Wind Direction (deg)	68	45	23	13	15

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

• **Vegetables:**

Transplanting of mature seedlings of tomato, cauliflower, cabbage, 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 forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



GRAMIN KRISHIMAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-258
Date- 31/12/2021

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 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather advisory: dry weather is forecasted for upcoming 5 days in the block and minimum temperature will likely to be decrease in upcoming 5 days. The day temperature will be 26-27°C and night temperature will be 10-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-76% and 25-41% respectively. There will be mainly clear sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	27	26	26
T-Min(°C)	13	12	11	11	10
Cloud Cover	0	0	0	0	0
RH Max (%)	76	69	70	58	54
RH Min (%)	41	38	35	27	25
Wind Speed (Kmph)	11	8	6	6	6
Wind Direction (deg)	62	45	19	11	23

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

Vegetables:

Transplanting of mature seedlings of tomato, cauliflower, cabbage, 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 forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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

Brinjal and Chilly: Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

Cabbage and Cauliflower: Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



GRAMIN KRISHIMAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No.-258
Date- 31/12/2021

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

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 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather advisory: dry weather is forecasted for upcoming 5days in the block and minimum temperature will likely to be decrease in upcoming 5days. The day temperature will be 25-27°C and night temperature will be 10-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-77% and 25-42% respectively. There will be mainly clear sky for next 5days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	27	26	25
T-Min(°C)	14	13	12	11	10
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	77	68	69	56	55
RH Min (%)	42	39	36	27	25
Wind Speed (Kmph)	10	7	6	6	5
Wind Direction (deg)	58	23	15	351	360

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

Vegetables:

Transplanting of mature seedlings of tomato, cauliflower, cabbage, 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 forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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

Brinjal and Chilly: Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

Cabbage and Cauliflower: Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



GRAMIN KRISHIMAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-258
Date- 31/12/2021

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 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather advisory: dry weather is forecasted for upcoming 5days in the block and minimum temperature will likely to be decrease in upcoming 5days. 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 55-75% and 25-42% respectively. There will be mainly clear sky for next 5days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	27	27	27
T-Min(°C)	15	15	13	12	12
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	75	69	69	62	55
RH Min (%)	42	38	35	28	25
Wind Speed (Kmph)	12	9	6	6	7
Wind Direction (deg)	62	23	27	18	18

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

• **Vegetables:**

Transplanting of mature seedlings of tomato, cauliflower, cabbage, 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 forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

Dr Sujata Sethy
(Nodal officer)



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APP for Lightening alert in your area



Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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

(A Unit of ICAR-National Rice Research Institute)

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

AGROMET ADVISORY BULLETIN FOR MAHANGA



Bulletin No.-258

Date- 31/12/2021

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

The block received average 0mm and district received average 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather advisory: dry weather is forecasted for upcoming 5days in the block and minimum temperature will likely to be decrease in upcoming 5days. The day temperature will be and it will be 27-28°C and night temperature will be 11-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-75% and 26-44% respectively. There will be mainly clear sky for next 5days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	27	27	27
T-Min(°C)	14	13	12	12	11
Cloud Cover(octal)	0	0	0	0	0
RH Max (%)	75	69	65	55	54
RH Min (%)	44	39	36	28	26
Wind Speed (Kmph)	12	8	7	6	7
Wind Direction (deg)	45	19	15	345	18

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

Vegetables:

Transplanting of mature seedlings of tomato, cauliflower, cabbage, 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 forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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

Brinjal and Chilly: Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

Cabbage and Cauliflower: Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



GRAMIN KRISHIMAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-258
Date- 31/12/2021

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 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather advisory: dry weather is forecasted for upcoming 5days in the block and minimum temperature will likely to be decrease in upcoming 5days. The day temperature will be 25-26°C and night temperature will be 09-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-86% and 24-40% respectively. There will be mainly clear sky for next 5days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	25	25	26	26	26
T-Min(°C)	13	11	10	09	09
Cloud Cover(octa)	2	1	0	0	0
RH Max (%)	78	86	73	58	59
RH Min (%)	40	39	37	29	24
Wind Speed (Kmph)	4	3	3	5	3
Wind Direction (deg)	71	68	360	341	15

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

• **Vegetables:**

Transplanting of mature seedlings of tomato, cauliflower, cabbage, 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 forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
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DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-258
Date- 31/12/2021

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 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather advisory: dry weather is forecasted for upcoming 5days in the block and minimum temperature will likely to be decrease in upcoming 5days. The day temperature will be 27-28°C and night temperature will be 13-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-74% and 26-43% respectively. There will be mainly clear sky for next 5days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	27	27	27	27
T-Min(°C)	16	15	14	14	13
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	74	69	69	65	56
RH Min (%)	43	39	35	29	26
Wind Speed(Kmph)	13	10	8	7	8
Wind Direction(deg)	32	23	20	23	18

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

• **Vegetables:**

Transplanting of mature seedlings of tomato, cauliflower, cabbage, 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 forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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

(A Unit of ICAR-National Rice Research Institute)

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



Bulletin No.-258

Date- 31/12/2021

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 2mm and district received average 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weatheradvisory: dry weather is forecasted for upcoming 5days in the block and minimum temperature will likely to be decrease in upcoming 5days. The day temperature will be 26-27°C and night temperature will be 12-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-75% and 26-44% respectively. There will be mainly clear sky for next 5days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	27	27	26
T-Min(°C)	15	15	13	12	12
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	75	68	66	56	54
RH Min (%)	44	39	36	27	26
Wind Speed (Kmph)	12	9	7	6	7
Wind Direction (deg)	45	19	19	360	18

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

Vegetables:

Transplanting of mature seedlings of tomato, cauliflower, cabbage, 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/l of water against the attack of cut worm and leaf eating insect. Due to forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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

Brinjal and Chilly: Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

Cabbage and Cauliflower: Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

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Debasish Jena

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INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-258
Date- 31/12/2021

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 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather advisory: dry weather is forecasted for upcoming 5days in the block and minimum temperature will likely to be decrease in upcoming 5days. The day temperature will be 26-27°C and night temperature will be 12-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-75% and 26-44% respectively. There will be mainly clear sky for next 5days.

Block	Salepur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	27	27	26
T-Min(°C)	15	15	13	12	12
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	75	68	66	56	54
RH Min (%)	44	39	36	27	26
Wind Speed (Kmph)	12	8	7	6	7
Wind Direction (deg)	45	19	19	345	18

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

• **Vegetables:**

Transplanting of mature seedlings of tomato, cauliflower, cabbage, 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 forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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

(A Unit of ICAR-National Rice Research Institute)

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

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR



Bulletin No.-258

Date- 31/12/2021

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

The block received average 0.4mm and district received average 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather advisory: dry weather is forecasted for upcoming 5days in the block and minimum temperature will likely to be decrease in upcoming 5days. The day temperature will be 26-27°C and night temperature will be 10-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-72% and 34-50% respectively. There will be mainly clear sky for next 5days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	27	27	27	27	26
T-Min(°C)	14	13	12	11	10
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	72	68	62	58	59
RH Min (%)	50	46	40	34	34
Wind Speed (Kmph)	16	13	12	9	12
Wind Direction (deg)	32	54	23	18	34

Agromet Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

• **Vegetables:**

Transplanting of mature seedlings of tomato, cauliflower, cabbage, 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 forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Browning or Brown rot is a common physiological disorder in cauliflower crop due to deficiency of Boron. This may be controlled by application of borax @ 4-kg/ acre as soil application during transplanting. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l. There is a chance of occurrence of thrip, mites and Aphids in cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water. Leaf eating caterpillar and fruit borer may infest the crops. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC 200ml mixing in 200lit of water per acre crop.

Animal husbandry:

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

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(Nodal officer)



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(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-258
Date- 31/12/2021

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 0.14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C (-0.5°C from normal) and 17°C (2.93°C from normal), respectively. Mean relative humidity of the district was around 75-88%.

Forecasted period: Today(8.30IST) to 05th December (8.30IST)2022

Weather advisory: dry weather is forecasted for upcoming 5days in the block and minimum temperature will likely to be decrease in upcoming 5days. The day temperature will be 24-26°C and night temperature will be 10-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-78% and 26-42% respectively. There will be mainly clear sky for next 5days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	31/12/2021	01/01/2022	02/01/2022	03/01/2022	04/01/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	26	26	26	25	24
T-Min(°C)	14	12	11	10	10
Cloud Cover(octa)	1	1	0	0	0
RH Max (%)	78	73	75	58	58
RH Min (%)	42	41	38	29	26
Wind Speed (Kmph)	7	6	5	6	5
Wind Direction (deg)	70	34	342	360	15

Agro met Advisory

General Advisory: Apply irrigation to standing crops like Mustard, rabi groundnut and other rabi vegetables. Carry out weeding, hoeing and other intercultural operations in rabi vegetables. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

Pulses: Forecasted foggy weather thereafter may aggravate the infestation of aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. To manage leaf miner spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

Mustard: In view of weather condition during next five days; farmers are advised to irrigate the mustard crop at 30-40 DAS. Due to partly cloudy weather, there are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/litre of water.

Vegetables:

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Potato: After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of cut worm and leaf eating insect. Due to forecasted foggy weather in upcoming days there are chances of Leaf Blight disease incidence in potato crop. To manage leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre.

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

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Bulletin No.-258
 Date- 31/12/2021

				
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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	Agromet division, IMD, Pune	https://imdagrmet.gov.in/imdproject/AGIndex.php	

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