

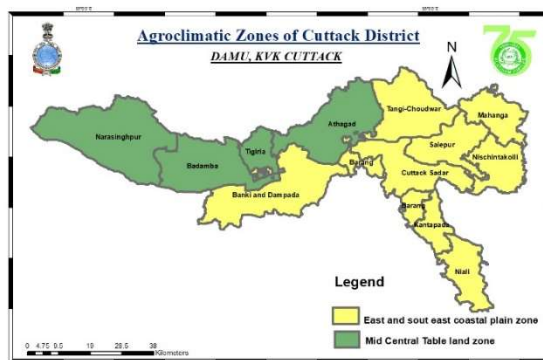


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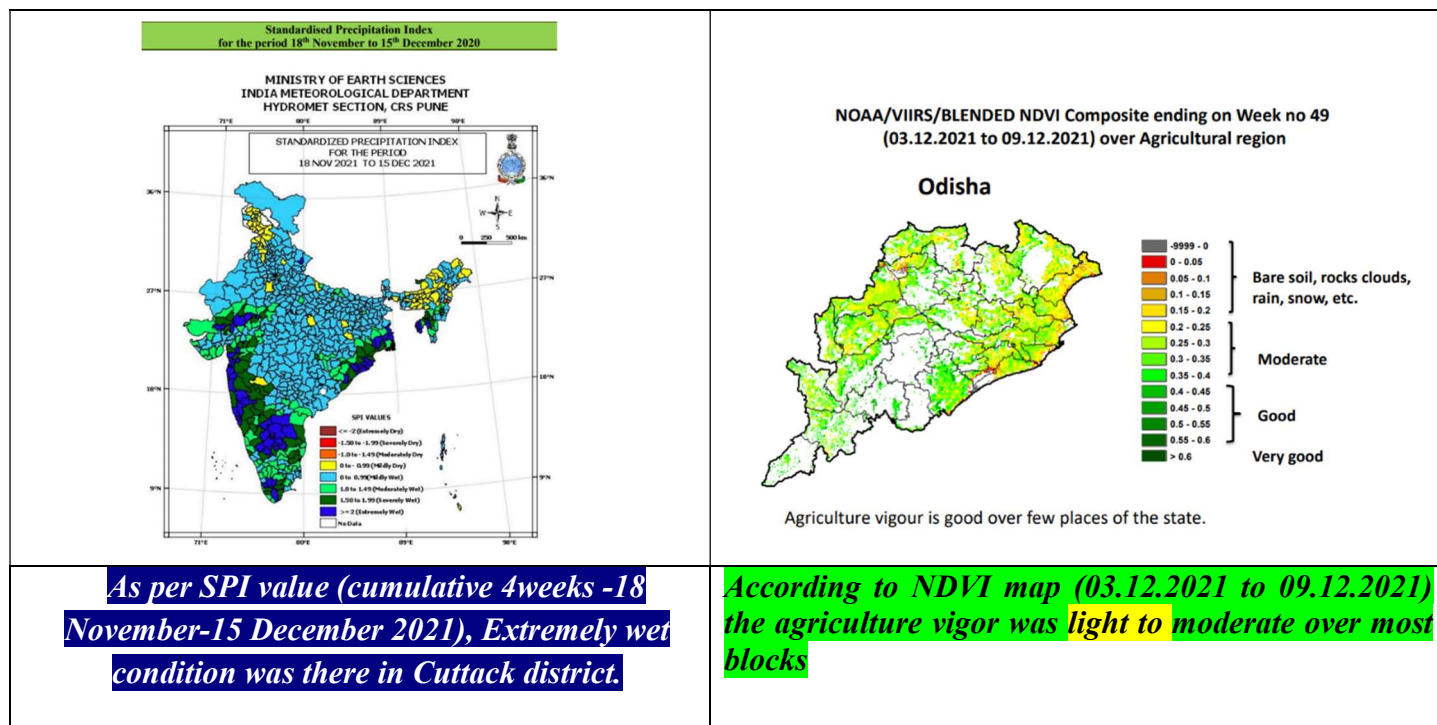


Bulletin No.-255
Date- 21/12/2021

AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARD PRECIPITATION INDEX AND NDVI MAP



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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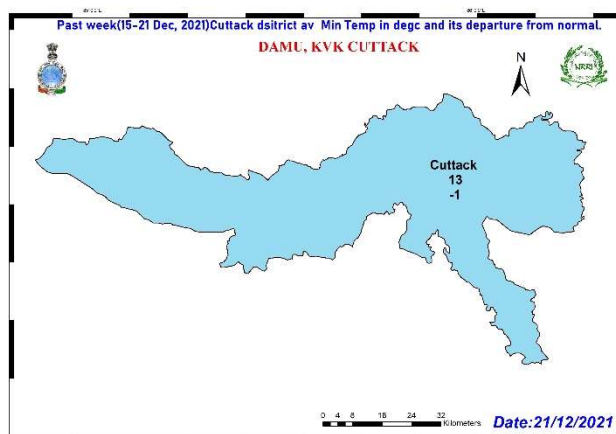
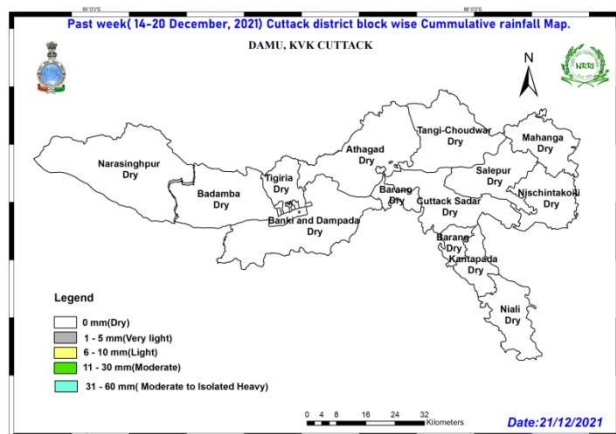


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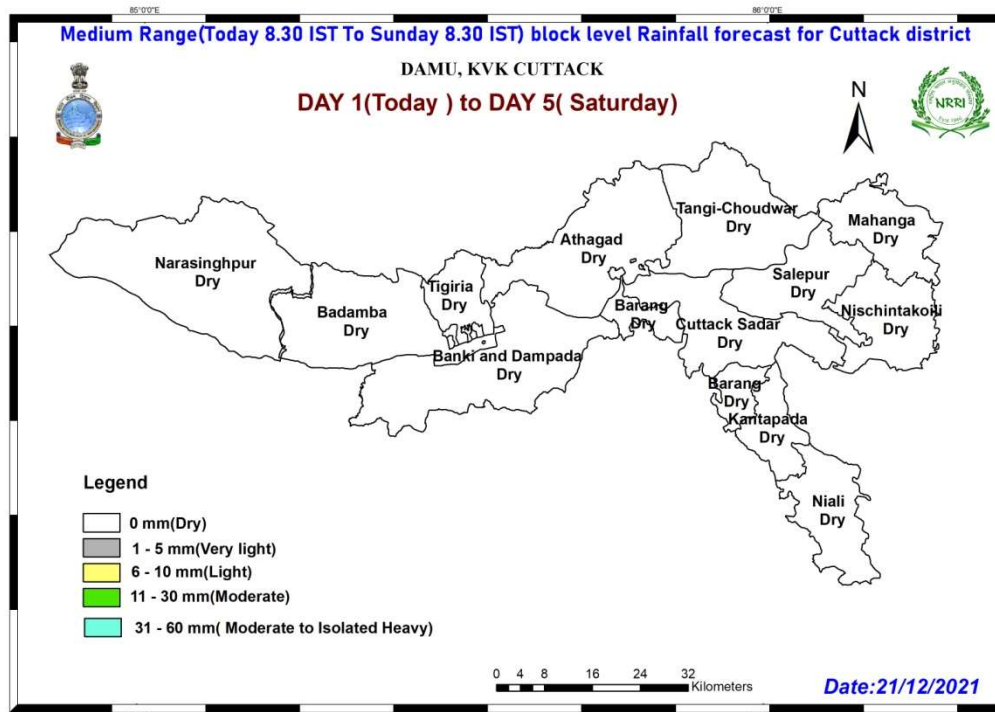


Bulletin No.-255
Date- 21/12/2021

**Past week (14-20 Dec) cumulative rainfall and (15-21 Dec) 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



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Bulletin No.-255
Date- 21/12/2021

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (26December 2021-01 January 2022)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	80.69	Above Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	0.28	Normal
	Minimum temperature	-0.30	Normal

General Agromet Advisory:- There will be above normal rainfall in subsequent week after 5 days (26 Dec 2021-01 January 2022) in Odisha condition, and there will be dry weather is forecasted for upcoming 5days. Farmers should go for sowing of rabi vegetables and crops by utilization of rain water in the subsequent week.

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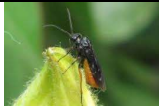











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Bulletin No.-255

Date- 21/12/2021

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		White fly
		Fruiting		Late blight
6	Potato	Sprouting/Vegetative stage		Cut worm and leaf eating insect
	Cole crops (Cauliflower and cabbage)	Vegetative to fruiting		Leaf eating caterpillar
7				Aphid
				Fruit borer

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Bulletin No.-255
Date- 21/12/2021

GENERAL AGROMET ADVISORY FOR COLD WAVE CONDITION IN CUTTACK DISTRICT

Cold wave Forecast:- Cold wave condition (4.5-6.4 deg c below minimum temperature from normal) will very likely to prevail over one or two places of Cuttack district **on today and tomorrow. (Valid up to 8.30 IST of Thursday)**

- Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold injury.
- Cover young fruit plants with straw / polythene sheets / gunnybags.
- Post pone sowing activities of green gram/black gram, mustard, groundnut in upcoming 2days.
- Cover banana bunches with porous polythene bags.
- Apply sufficient amount of farm yard manure in the soil.
- In rice nursery: cover the nursery beds with polythene sheet during night and remove in the morning. Irrigate the nursery beds in the evening and drain out the water in the morning.
- To protect sensitive crops like mustard, rajmah and gram from frost attack, spray dilute Sulphuric Acid @ 0.1% (1 litre H₂SO₄ in 1000 litres of water) or thiourea @ 500 ppm (500 gm thiourea in 1000 litres of water).
- Prune the affected parts of the plants. Spray copper fungicides on the pruned plants and apply NPK with irrigation.
- Do not apply nutrient to soil during cold weather, plant can't uptake due to poor root activity.
- Do not disturb the soil; loose surface reduces the conduction of heat from lower surface.

Animal Husbandry Keep cattle inside the sheds during night and provide dry bedding to protect them from cold.

- Increase protein level and minerals in the feed concentrate to keep the animals healthy to cope up with the cold condition.
- 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.
- Do not allow cattle/goats grazing during morning hours.
- Do not keep cattle/goat in the open during night time.



Sprinkler irrigation



Mulching



Artificial light

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 (Nodal officer)



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Bulletin No.-255

Date- 21/12/2021

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 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26thDecember (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5 days in the block. The day temperature will be 24-27°C and night temperature will be 07-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 47-84% and 20-35% respectively. There will be mainly clear sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	24	25	26	27	27
T-Min (°C)	7	8	10	10	13
Cloud Cover (octa)	0	0	0	0	0
RH Max (%)	48	47	52	84	77
RH Min (%)	25	24	20	25	35
Wind Speed (kmph)	7	5	5	4	7
Wind Direction (deg)	333	338	338	75	158

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.
- Tomato:**
- At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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.-255
Date- 21/12/2021

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 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5 days in the block. The day temperature will be 24-27°C and night temperature will be 07-12°C for upcoming 5 days. Maximum and minimum relative humidity will be 43-87% and 20-37% respectively. There will be mainly clear sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	24	25	26	27	27
T-Min(°C)	7	7	9	9	12
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	43	43	50	87	80
RH Min (%)	23	22	20	24	37
Wind Speed (Kmph)	7	5	4	3	6
Wind Direction (deg)	328	340	330	79	152

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- Go for hoeing and hand weeding at 21 DAS and earthing up should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.
- Tomato:**
- At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidacloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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.-255

Date- 21/12/2021

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26th December (8.30IST)2021

Weatheradvisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5days in the block. The day temperature will be 24-27°C and night temperature will be 08-12°C for upcoming 5 days. Maximum and minimum relative humidity will be 44-84% and 19-36% respectively. There will be mainly clear sky for next 5days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	24	25	26	27	27
T-Min(°C)	8	8	9	11	12
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	44	46	54	84	77
RH Min (%)	23	22	19	24	36
Wind Speed (Kmph)	8	5	4	4	7
Wind Direction (deg)	328	338	360	79	158

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

• **Vegetables:**

• **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

• **Potato:**

• Go for hoeing and hand weeding at 21 DAS and earthing up should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.

• **Tomato:**

At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidacloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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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SMS (Agrometeorology)

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

(A Unit of ICAR-National Rice Research Institute)

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AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA



Bulletin No.-255

Date- 21/12/2021

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26th December (8.30IST)2021

Weather Advisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5 days in the block. The day temperature will be 24-27°C and night temperature will be 09-12°C for upcoming 5 days. Maximum and minimum relative humidity will be 44-83% and 19-36% 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	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	24	25	26	27	27
T-Min(°C)	9	9	10	10	12
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	44	47	55	83	76
RH Min (%)	23	23	19	24	36
Wind Speed (Kmph)	8	5	4	4	7
Wind Direction (deg)	328	338	360	71	158

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

Vegetables:

• **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

Potato:

• Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.

Tomato:

At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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.-255
Date- 21/12/2021

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 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26thDecember (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5 days in the block. The day temperature will be 24-27°C and night temperature will be 09-12°C for upcoming 5 days. Maximum and minimum relative humidity will be 46-77% and 20-35% respectively. There will be mainly clear sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	24	25	27	27	27
T-Min(°C)	9	9	11	11	12
Cloud Cover	0	0	0	0	0
RH Max (%)	46	55	62	77	73
RH Min (%)	24	25	20	26	35
Wind Speed (Kmph)	8	5	5	4	7
Wind Direction (deg)	333	335	360	64	146

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

- **Vegetables:**
- **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- **Potato:**
- Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.
- **Tomato:**
At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.
- **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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.-255

Date- 21/12/2021

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 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26thDecember (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5 days in the block. The day temperature will be 24-27°C and night temperature will be 09-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 49-79% and 20-35% 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	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	24	25	26	27	27
T-Min(°C)	9	10	12	13	14
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	49	52	57	79	75
RH Min (%)	24	25	20	26	35
Wind Speed (Kmph)	7	5	5	4	7
Wind Direction (deg)	328	330	345	60	158

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.
- Tomato:**
At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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.-255
Date- 21/12/2021

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 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5 days in the block. The day temperature will be 24-27°C and night temperature will be 10-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 45-75% and 21-37% respectively. There will be mainly clear sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	24	26	27	27	27
T-Min(°C)	10	10	11	12	13
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	45	58	67	75	73
RH Min (%)	24	26	21	29	37
Wind Speed (Kmph)	7	5	5	5	7
Wind Direction (deg)	338	338	15	146	23

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- Go for hoeing and hand weeding at 21 DAS and earthing up should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.
- Tomato:**
At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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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AGROMET ADVISORY BULLETIN FOR MAHANGA



Bulletin No.-255

Date- 21/12/2021

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5 days in the block. The day temperature will be and it will be 23-27°C and night temperature will be 10-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 48-76% and 22-35% respectively. There will be mainly clear sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	23	25	26	27	27
T-Min(°C)	10	11	11	12	13
Cloud Cover(octal)	0	0	0	0	0
RH Max (%)	48	58	62	76	73
RH Min (%)	24	27	22	28	35
Wind Speed (Kmph)	6	5	5	4	6
Wind Direction (deg)	328	195	360	23	23

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- Go for hoeing and hand weeding at 21 DAS and earthing up should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.

- Tomato:** At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.

- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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.-255

Date- 21/12/2021

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 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26thDecember (8.30IST)2021

Weatheradvisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5days in the block. The day temperature will be 23-27°C and night temperature will be 07-11°C for upcoming 5 days. Maximum and minimum relative humidity will be 41-90% and 20-37% respectively. There will be mainly clear sky for next 5days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	23	25	26	27	27
T-Min(°C)	7	7	9	9	11
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	41	42	47	90	87
RH Min (%)	22	20	20	24	37
Wind Speed (Kmph)	6	4	3	3	6
Wind Direction (deg)	333	333	338	113	161

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.
- Tomato:**
- At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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.-255
Date- 21/12/2021

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 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5 days in the block. The day temperature will be 24-27°C and night temperature will be 13-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 47-74% and 23-40% respectively. There will be mainly clear sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	24	25	27	27	27
T-Min(°C)	13	14	16	17	17
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	47	60	69	74	74
RH Min (%)	23	27	23	33	40
Wind Speed(Kmph)	7	6	6	6	8
Wind Direction(deg)	338	360	15	146	116

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

- **Vegetables:**
- **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- **Potato:**
- Go for hoeing and hand weeding at 21 DAS and earthing up should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.

- **Tomato:**
At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.

- **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 Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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.-255

Date- 21/12/2021

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 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26thDecember (8.30IST)2021

Weatheradvisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5days in the block. The day temperature will be 24-27°C and night temperature will be 11-12°C for upcoming 5 days. Maximum and minimum relative humidity will be 48-75% and 22-36% respectively. There will be mainly clear sky for next 5days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	24	26	27	27	27
T-Min(°C)	11	11	12	12	12
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	48	59	63	75	73
RH Min (%)	24	27	22	29	36
Wind Speed (Kmph)	6	5	5	5	7
Wind Direction (deg)	333	338	360	154	23

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.
- Tomato:**
At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may reported in present crop condition, spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidacloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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.-255
Date- 21/12/2021

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 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26thDecember (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5 days in the block. The day temperature will be 24-27°C and night temperature will be 10-12°C for upcoming 5 days. Maximum and minimum relative humidity will be 48-75% and 21-35% respectively. There will be mainly clear sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	24	26	27	27	27
T-Min(°C)	10	11	11	12	12
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	48	58	62	75	73
RH Min (%)	25	27	21	28	35
Wind Speed (Kmph)	7	5	5	5	7
Wind Direction (deg)	328	338	360	154	154

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

- Vegetables:**
- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:**
- Go for hoeing and hand weeding at 21 DAS and earthing up should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.
- Tomato:**
- At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.
- Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- Animal husbandry:**
- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. • In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

Dr Sujata Sethy
(Nodal officer)



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APP for Lightening alert in your area



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

(A Unit of ICAR-National Rice Research Institute)

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AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR



Bulletin No.-255

Date- 21/12/2021

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

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5 days in the block. The day temperature will be 24-26°C and night temperature will be 08-12°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-74% and 26-44% 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	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	24	25	26	26	26
T-Min(°C)	8	9	9	10	12
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	54	65	71	72	74
RH Min (%)	26	33	30	41	44
Wind Speed (Kmph)	5	7	7	7	9
Wind Direction (deg)	340	150	165	23	109

Agromet Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

Vegetables:

• **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

Potato:

• Go for hoeing and hand weeding at 21 DAS and earthing up should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.

Tomato:

At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late 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.

• **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidacloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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.-255
Date- 21/12/2021

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 mm rainfall during the last week. The mean daily maximum and minimum temperature was 27°C (-2.2°C from normal) and 13°C (-1.38°C from normal), respectively. Mean relative humidity of the district was around 74-81%.

Forecasted period: Today(8.30IST) to 26th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Saturday and minimum temperature will likely to increase in upcoming 5 days in the block. The day temperature will be 23-27°C and night temperature will be 07-11°C for upcoming 5 days. Maximum and minimum relative humidity will be 45-86% and 21-36% respectively. There will be mainly clear sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/12/2021	22/12/2021	23/12/2021	24/12/2021	25/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	23	25	26	27	27
T-Min(°C)	7	8	8	9	11
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	47	45	50	86	79
RH Min (%)	25	23	21	24	36
Wind Speed (Kmph)	7	5	4	4	7
Wind Direction (deg)	328	338	345	75	155

Agro met Advisory

General Advisory: Apply light and frequent irrigation / sprinkler irrigation in the evening hours to protect the crops from cold temperature. Cover young fruit plants with straw / polythene sheets / gunny bags. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

Pulses: Aphids may infest the crop due to low temperature. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. 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.

- **Vegetables:**
- **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- **Potato:**
- Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. 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.
- **Tomato:**
At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. Tomato leaf curl virus may be reported in present crop condition, spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water To manage Whitefly chemically spray 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.
- **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillars 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 Brinjal, Tomato, Chilli, cole crops, for control spray imidacloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

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.-255
 Date- 21/12/2021

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

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