



GRAMIN KRISHI MAUSAM SEWA

INDIA METEOROLOGICAL DEPARTMENT

DISTRICT AGROMET UNIT

KRISHI VIGYAN KENDRA CUTTACK

(A Unit of ICAR-National Rice Research Institute)

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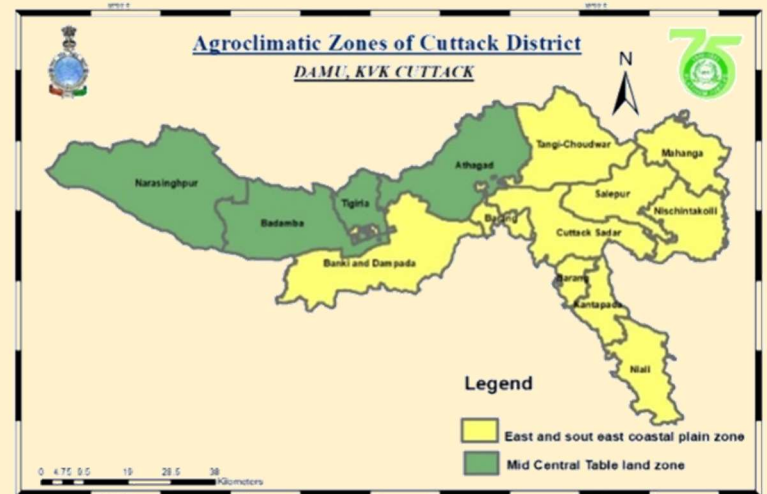


Bulletin No.-543

Date- 10/12/2024

Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday, 10th December, 2024
(For the period 10th to 14th December, 2024)*



*Issued by
District Agromet Unit,
KrishiVigyan Kendra Cuttack*

Dr Sujata Sethy
(Nodal officer)



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STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p>MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p>STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 07 NOVEMBER TO 04 DECEMBER 2024</p> <p>SPI VALUES</p> <ul style="list-style-type: none"> > 2.0 (Extremely Dry) 0% 0.00 - 0% Area 1.5 to 1.99 (Moderately Dry) 0% 0.00 - 0% Area 1.0 to 1.49 (Moderately Dry) 0% 0.00 - 0% Area 0.5 to 0.99 (Moderately Dry) 0% 0.00 - 0% Area 0.0 to 0.49 (Near Normal) 0% 0.00 - 0% Area -0.5 to -0.99 (Near Normal) 0% 0.00 - 0% Area -1.0 to -1.49 (Moderately Wet) 0% 0.00 - 0% Area -1.5 to -1.99 (Moderately Wet) 0% 0.00 - 0% Area < -2.0 (Extremely Wet) 0% 0.00 - 0% Area 	<p>NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 48 (25.11.2024 to 01.12.2024) over Agricultural region</p> <p>Odisha</p> <ul style="list-style-type: none"> -0.9999 - 0 0 - 0.05 0.05 - 0.1 0.1 - 0.15 0.15 - 0.2 0.2 - 0.25 0.25 - 0.3 0.3 - 0.35 0.35 - 0.4 0.4 - 0.45 0.45 - 0.5 0.5 - 0.55 0.55 - 0.6 > 0.6 <p>Bare soil, rocks clouds, rain, snow, etc.</p> <p>Moderate</p> <p>Good</p> <p>Very good</p> <p>Agriculture vigour is good at few places of the state.</p>
<p>As per SPI value (cumulative 4weeks -07 November to 04 December, 2024), mildly dry condition was there in Cuttack district.</p>	<p>According to NDVI map (25.11.2024 to 01.12.2024) the agriculture vigor was moderate overmost places of Cuttack district.</p>

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	


















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Bulletin No.-543
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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	Mustard	Vegetative stage		Aphid
				Saw fly
				White rust
2	Rabi Groundnut	Vegetative stage		Leaf Miner
3	Vegetables (Tomato, Chilli, Brinjal)	Vegetative to fruiting		Thrips
				Mites
		Fruiting		Fruit and shoot borer
4	Tomato			Late blight
4	Potato	Sprouting/Vegetative stage		Cut worm and leaf eating insect
				Leaf eating caterpillar
5	Cole crops (Cauliflower and cabbage)	Vegetative to fruiting		Aphid
				Fruit borer
				Diamond back moth

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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 01mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December(8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 27-28°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 49-88% and 19-49% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	28	28	28	27
T-Min (°C)	18	16	15	14	14
Cloud Cover (octa)	5	4	4	6	3
RH Max (%)	88	61	57	50	49
RH Min (%)	49	31	28	20	19
Wind Speed (kmph)	7	7	6	6	6
Wind Direction (deg)	25	26	45	360	23

Agromet Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5 days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out field before 10-15 days of harvesting. **As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.**

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of **white rust** disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers 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.** **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

Tomato: To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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, Chilly, 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.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 00mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 27-28°C and night temperature will be 13-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 50-89% and 18-51% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	27	28	28	27
T-Min(°C)	17	15	14	13	13
Cloud Cover(octa)	5	4	4	5	4
RH Max (%)	89	59	56	51	50
RH Min (%)	51	32	28	20	18
Wind Speed (Kmph)	5	6	6	6	6
Wind Direction (deg)	23	25	45	349	19

Agromet Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5 days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out field before 10-15 days of harvesting. **As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.**

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers 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. **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

Tomato: To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 27-28°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 49-87% and 18-51% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	28	28	27
T-Min(°C)	18	16	15	14	14
Cloud Cover(octa)	5	4	4	6	3
RH Max (%)	87	58	54	51	49
RH Min (%)	51	31	28	20	18
Wind Speed (Kmph)	6	7	7	6	7
Wind Direction (deg)	23	23	45	349	23

Agromet Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5 days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out filed before 10-15 days of harvesting. As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/l of water against the attack of cut worm and leaf eating insect. To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.

Tomato: To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPADA

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

The block received average 00mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weather Advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 27-28°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 49-87% and 18-51% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	28	28	27
T-Min(°C)	18	16	15	14	14
Cloud Cover(octa)	5	5	4	6	3
RH Max (%)	87	58	54	50	49
RH Min (%)	51	31	27	20	18
Wind Speed (Kmph)	7	7	7	6	7
Wind Direction (deg)	23	26	23	45	23

Agromet Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5 days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out filed before 10-15 days of harvesting. As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

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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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers 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. To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.

Tomato: To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 00mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weather advisory: *Dry weather is forecasted for next 5 days in the block.* The day temperature will be 28-29°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 44-83% and 19-46% respectively. **There will be clear to partly cloudy sky for next 5days.**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	28
T-Min(°C)	18	16	15	14	14
Cloud Cover	5	6	4	6	3
RH Max (%)	83	59	52	46	44
RH Min (%)	46	29	25	20	19
Wind Speed (Kmph)	9	9	9	9	10
Wind Direction (deg)	27	26	26	27	27

Agromet Advisory

General Advisory: *Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.*

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out filed before 10-15 days of harvesting. **As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.**

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage **Mustard sawfly** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of **white rust** disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/l of water against the attack of **cut worm and leaf eating insect.** **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

Tomato: To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 01mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 28-29°C and night temperature will be 15-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 44-83% and 19-45% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	28
T-Min(°C)	19	17	16	15	15
Cloud Cover(octa)	5	5	4	6	3
RH Max (%)	83	60	54	46	44
RH Min (%)	45	30	26	20	19
Wind Speed (Kmph)	8	9	8	8	9
Wind Direction (deg)	32	34	26	34	27

Agromet Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5 days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out field before 10-15 days of harvesting. As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/l of water against the attack of cut worm and leaf eating insect. To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.

Tomato: To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 00mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 42-81% and 20-45% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	27	28
T-Min(°C)	18	16	15	14	14
Cloud Cover(octa)	5	6	4	6	3
RH Max (%)	81	58	50	43	42
RH Min (%)	45	30	25	23	20
Wind Speed (Kmph)	10	11	10	11	12
Wind Direction (deg)	27	26	27	32	27

Agromet Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5 days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out field before 10-15 days of harvesting. **As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.**

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers 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. **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

Tomato: To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 00mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be and it will be 28-29°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 42-77% and 20-41% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	28
T-Min(°C)	18	16	15	14	14
Cloud Cover(octal)	4	6	4	6	3
RH Max (%)	77	59	51	43	42
RH Min (%)	41	30	25	21	20
Wind Speed (Kmph)	10	10	10	10	11
Wind Direction (deg)	28	25	27	27	27

Agromet Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5 days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out field before 10-15 days of harvesting. As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers 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. To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.

Tomato: To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 00mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weatheradvisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 27-28°C and night temperature will be 12-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 50-90% and 17-49% respectively. **There will be clear to partly cloudy sky for next 5days.**

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	27	28	28	27
T-Min(°C)	16	14	13	12	12
Cloud Cover(octa)	6	3	4	5	4
RH Max (%)	90	64	61	52	50
RH Min (%)	49	34	28	20	17
Wind Speed (Kmph)	4	4	4	5	5
Wind Direction (deg)	23	25	23	360	18

Agromet Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out filed before 10-15 days of harvesting. **As dry weather is forecasted for upcoming 5 days ,in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.**

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers 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. **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

Tomato: To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 00mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 42-79% and 21-47% respectively. **There will be clear to partly cloudy sky for next 5days.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	28	27	28
T-Min(°C)	18	16	15	14	14
Cloud Cover(octa)	5	6	4	6	3
RH Max (%)	79	57	49	43	42
RH Min (%)	47	32	26	25	21
Wind Speed(Kmph)	11	12	11	12	13
Wind Direction(deg)	36	26	27	32	27

Agromet Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out filed before 10-15 days of harvesting. As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/l of water against the attack of cut worm and leaf eating insect. To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.

Tomato: To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-543
Date- 10/12/2024

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

The block received average 00mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 41-76% and 20-42% respectively. **There will be clear to partly cloudy sky for next 5days.**

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	27	28
T-Min(°C)	18	16	15	14	14
Cloud Cover(octa)	4	6	4	6	3
RH Max (%)	76	59	51	43	41
RH Min (%)	42	30	25	22	20
Wind Speed (Kmph)	10	11	10	11	12
Wind Direction (deg)	28	27	27	32	27

Agromet Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out filed before 10-15 days of harvesting. **As dry weather is forecasted for upcoming 5 days ,in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.**

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers 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. **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

Tomato: To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 00mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 28-29°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 42-77% and 20-41% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	28
T-Min(°C)	18	16	15	15	15
Cloud Cover(octa)	5	6	4	6	3
RH Max (%)	77	59	51	43	42
RH Min (%)	41	30	25	21	20
Wind Speed (Kmph)	10	11	10	11	11
Wind Direction (deg)	28	27	27	32	27

Agromet Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5 days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out field before 10-15 days of harvesting. **As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.**

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers 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. **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

Tomato: To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 00mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 28-29°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 47-71% and 28-55% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	28
T-Min(°C)	18	16	15	15	15
Cloud Cover(octa)	4	7	4	6	4
RH Max (%)	71	55	50	47	49
RH Min (%)	55	40	33	33	28
Wind Speed (Kmph)	14	15	15	16	17
Wind Direction (deg)	58	32	24	24	23

Agromet Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5 days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out field before 10-15 days of harvesting. **As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.**

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. **As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.**

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers 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. **To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.**

Tomato: To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-543
Date- 10/12/2024

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 0.3mm and district received average 0.4mm rainfall during the last week. The mean daily maximum and minimum temperature was 28.85°C (-0.47) and 19°C (4.18), respectively. The mean relative humidity was 72-79%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2024

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 27-28°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-89% and 19-50% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	28	28	27
T-Min(°C)	18	16	15	14	14
Cloud Cover(octa)	5	4	4	5	4
RH Max (%)	89	61	57	51	51
RH Min (%)	50	32	28	20	19
Wind Speed (Kmph)	6	6	6	6	6
Wind Direction (deg)	25	25	45	349	23

Agro met Advisory

General Advisory: Provide light irrigation to standing vegetables and crops during morning hours to prevent damage from low temperature and moisture stress. Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. As dry weather is forecasted for next 5 days so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.

Kharif Rice:

Paddy is at maturity to harvesting stage. Drain out field before 10-15 days of harvesting. As dry weather is forecasted for upcoming 5 days, in early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop.

PULSES:

21-26°C soil temperature is required for proper germination of pulses. Due to forecast of dry weather for optimum germination irrigate the field after sowing.

Rabi-Groundnut:

The early sown rabi groundnut crop is at 3 week stage. 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 chemically spray Thiamethoxam 25 % WG @ 40-gram/acre in 200-liter of water. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water. There may be chances of white rust disease in Mustard, to control spray Metalaxyl 2g/liter of water.

VEGETABLES:

Onion: The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. As Onion is shallow rooted crop, so at bulb initiation stage (after 60 days) due to forecasted dry weather farmers are advised to go for irrigation in the moisture sensitive stage.

Potato: Go for hoeing and hand weeding at 21 DAS and earthing up. After 3 weeks of first earthing up go for hoeing and hand weeding and apply fertilizers and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/l of water against the attack of cut worm and leaf eating insect. To maintain the soil temperature below 30°C for better tuber growth, farmers are advised to irrigate the field.

Tomato: To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

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:

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.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-543
Date- 10/12/2024

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

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

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