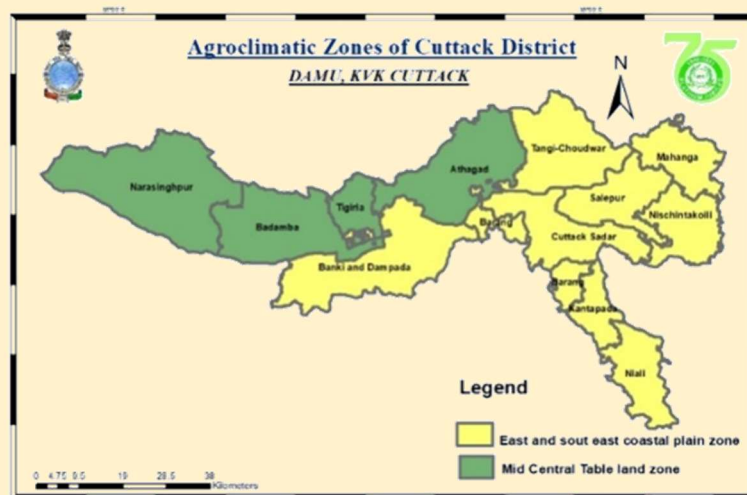




# Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday, 16<sup>th</sup> December, 2022  
(For the period 16<sup>th</sup> to 20<sup>th</sup> December,  
2022)*



*Issued by  
District Agromet Unit,  
KrishiVigyan Kendra Cuttack*





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



Bulletin No.-357  
 Date- 16/12/2022

**STANDARD PRECIPITATION INDEX AND NDVI MAP**

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p style="text-align: center;"><b>Standardised Precipitation Index</b> for the period 17<sup>th</sup> November 2022 to 14<sup>th</sup> December 2022</p> <p style="text-align: center;">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p style="text-align: center;">STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 17 NOV 2022 TO 14 DEC 2022</p> <p style="text-align: center;">As per SPI value (cumulative 4weeks - 17November2022 – 14 December2022), mildly wet condition was there in Cuttack district.</p>	<p style="text-align: center;">NOAA/VIRS/BLENDED NDVI Composite ending on Week no 49 (03.12.2022 to 09.12.2022) over Agricultural region</p> <p style="text-align: center;"><b>Odisha</b></p> <p style="text-align: center;">Agriculture vigour is good over isolated places of the state and moderate over rest of the state.</p> <p style="text-align: center;">According to NDVI map (03.12.2022 to 09.12.2022) the agriculture vigor was light to moderate over maximum block of Cuttack district.</p>

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

Dr Sujata Sethy  
 (Nodal officer)



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

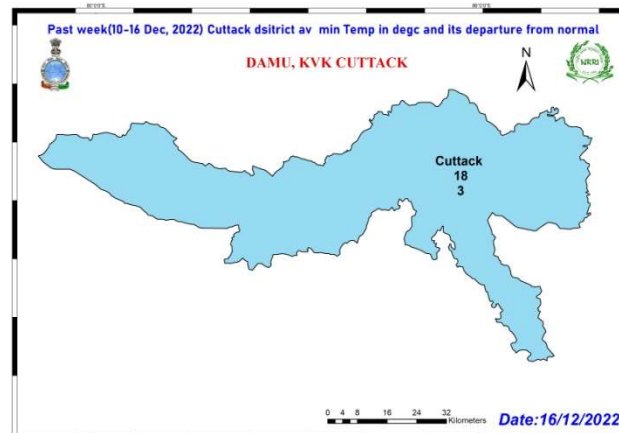
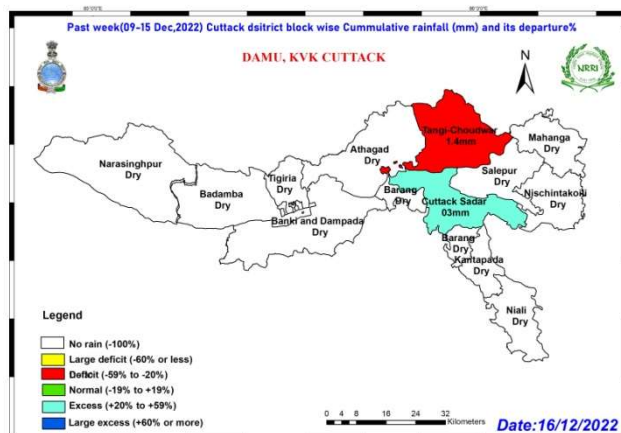


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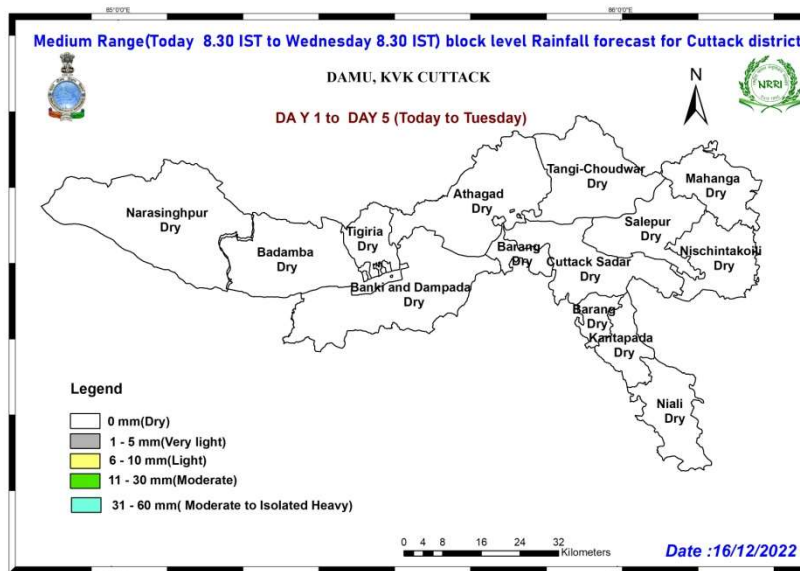


**Bulletin No.-357**  
**Date- 16/12/2022**

**Past week (09-15 Dec, 2022) cumulative rainfall departure% from normal and (10-16 Dec, 2022) average minimum temperature and its departure from normal for Cuttack district**



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



**Dr Sujata Sethy**  
 (Nodal officer)



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





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Bulletin No.-357  
Date- 16/12/2022

Met Sub division	Extended range outlook for subsequent 1 week (6 <sup>th</sup> to 12 <sup>th</sup> days) (21-27 December 2022)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	-53.13	Below Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	1.38	Normal
	Minimum temperature	-0.23	Normal

**General Agromet Advisory:-** There will be below normal rainfall is forecasted in subsequent week after 5 days in Odisha condition, so farmers are advised to irrigate their vegetable field in 7-10 days interval to maintain the soil moisture deficit and should harvest the mature paddy which are at 85% physiological maturity stage in the subsequent week.

Dr Sujata Sethy  
(Nodal officer)



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Debasish Jena  
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Contact No-9861445080/7008453427
















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**Bulletin No.-357**  
**Date- 16/12/2022**

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

Sl No	Crop	Stage and condition of the crop	Anticipated Disease and pest	
1	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
	Cole crops (Cauliflower and cabbage)	Vegetative to fruiting		Leaf eating caterpillar
5				Aphid
				Fruit borer
				Diamond back moth

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**(Nodal officer)**



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**Bulletin No.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

The block received average 0mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-30°C and night temperature will be 12-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-83% and 17-32% 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	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	30	29	27	28	30
T-Min (°C)	14	13	12	12	13
Cloud Cover (octa)	4	4	2	5	2
RH Max (%)	65	58	58	80	83
RH Min (%)	32	27	17	20	21
Wind Speed (kmph)	7	6	6	5	4
Wind Direction (deg)	25	30	72	68	360

**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 prevailed and forecasted for the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

**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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**SMS (Agrometeorology)**  
**Contact No-9861445080/7008453427**



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**Bulletin No.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received average 0mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 12-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 57-80% and 17-30% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	28	28	30
T-Min(°C)	14	13	12	13	14
Cloud Cover(octa)	4	4	2	5	3
RH Max (%)	77	68	57	77	80
RH Min (%)	30	28	17	19	21
Wind Speed (Kmph)	7	5	5	5	4
Wind Direction (deg)	23	45	72	68	360

**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 prevailed and forecasted for the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

**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 Chilli:** 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.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week average weather condition**

The block received average 0mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-30°C and night temperature will be 13-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-83% and 16-31% 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	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	27	28	30
T-Min(°C)	16	15	13	15	15
Cloud Cover(octa)	4	4	3	4	2
RH Max (%)	71	64	59	81	83
RH Min (%)	31	27	16	19	20
Wind Speed (Kmph)	7	6	6	5	4
Wind Direction (deg)	25	23	72	68	360

**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 prevailed and forecasted for the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

**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/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. 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.

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**Bulletin No.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPADA**

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

The block received average 0mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

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Date	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	27	28	30
T-Min(°C)	17	15	13	15	15
Cloud Cover(octa)	4	4	3	4	2
RH Max (%)	70	63	59	81	83
RH Min (%)	31	27	16	19	20
Wind Speed (Kmph)	7	6	6	5	4
Wind Direction (deg)	25	15	72	68	360

**Agromet Advisory**

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**Kharif Rice:**

Paddy is at milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

**Mustard:**

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



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



**Bulletin No.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received average 0mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-84% and 16-31% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	27	28	29
T-Min(°C)	17	15	14	15	16
Cloud Cover	4	4	3	4	2
RH Max (%)	63	54	62	77	84
RH Min (%)	31	25	16	19	20
Wind Speed (Kmph)	8	8	8	7	6
Wind Direction (deg)	18	15	68	68	315

**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 prevailed and forecasted for the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

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



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



**Bulletin No.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received average 0.4mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 13-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 50-83% and 17-31% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	27	28	29
T-Min(°C)	15	14	14	13	14
Cloud Cover(octa)	4	4	2	4	2
RH Max (%)	60	50	59	75	83
RH Min (%)	31	26	17	20	21
Wind Speed (Kmph)	7	7	7	6	5
Wind Direction (deg)	23	23	68	68	360

**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 the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

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





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



**Bulletin No.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received average 0mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-84% and 17-30% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	27	28	29
T-Min(°C)	17	15	14	16	16
Cloud Cover(octa)	4	3	3	4	2
RH Max (%)	64	53	61	77	84
RH Min (%)	30	24	17	20	22
Wind Speed (Kmph)	9	9	9	7	7
Wind Direction (deg)	15	60	23	338	342

**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 prevailed and forecasted for the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

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



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



**Bulletin No.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received average 0mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be and it will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 43-76% and 20-28% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	27	28	29
T-Min(°C)	16	15	14	15	16
Cloud Cover(octal)	4	3	2	4	2
RH Max (%)	53	43	56	63	76
RH Min (%)	28	25	20	21	22
Wind Speed (Kmph)	9	9	8	7	7
Wind Direction (deg)	19	23	349	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 prevailed and forecasted for the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

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



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



**Bulletin No.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received average 0mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 12-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-88% and 19-28% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	28	29	30
T-Min(°C)	14	13	12	13	14
Cloud Cover(octa)	4	4	2	4	3
RH Max (%)	88	80	55	70	76
RH Min (%)	28	28	20	19	21
Wind Speed (Kmph)	5	5	4	4	3
Wind Direction (deg)	11	30	72	90	68

**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 prevailed and forecasted for the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

**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/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. 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 Chilli:** 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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**Debasish Jena**  
**SMS (Agrometeorology)**  
**Contact No-9861445080/7008453427**





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



**Bulletin No.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received average 0mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-85% and 19-31% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	27	28	29
T-Min(°C)	19	18	17	17	17
Cloud Cover(octa)	4	3	3	5	2
RH Max (%)	66	54	61	78	85
RH Min (%)	31	25	19	21	24
Wind Speed(Kmph)	10	10	10	8	8
Wind Direction(deg)	23	60	60	108	108

**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 prevailed and forecasted for the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

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



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



**Bulletin No.-357**  
**Date- 16/12/2022**

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

The block received average 0mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 43-78% and 20-28% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	27	28	29
T-Min(°C)	16	15	14	15	16
Cloud Cover(octa)	4	3	3	4	1
RH Max (%)	56	43	57	66	78
RH Min (%)	28	25	20	20	22
Wind Speed (Kmph)	9	9	8	7	7
Wind Direction (deg)	19	23	349	68	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 prevailed and forecasted for the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

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



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



**Bulletin No.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 0mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 44-78% and 19-29% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	27	28	29
T-Min(°C)	16	15	14	15	16
Cloud Cover(octa)	4	3	2	4	1
RH Max (%)	56	44	57	67	78
RH Min (%)	29	25	19	20	22
Wind Speed (Kmph)	9	9	8	7	7
Wind Direction (deg)	19	23	360	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 prevailed and forecasted for the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

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





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



**Bulletin No.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received average 0.2 mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-29°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 46-79% and 29-34% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	29
T-Min(°C)	16	16	15	15	15
Cloud Cover(octa)	3	3	3	4	2
RH Max (%)	59	46	61	69	79
RH Min (%)	34	30	29	30	32
Wind Speed (Kmph)	13	13	11	10	10
Wind Direction (deg)	45	60	64	90	109

**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 the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

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



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



**Bulletin No.-357**  
**Date- 16/12/2022**

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received average 0mm and district received average 0.04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.1°C (+0.09 from normal) and 17.7°C (+3.09 from normal), respectively. The mean relative humidity was 68-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> December(8.30IST)2022**

**Weather advisory:** Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 27-30°C and night temperature will be 12-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 57-83% and 17-31% 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	16/12/2022	17/12/2022	18/12/2022	19/12/2022	20/12/2022
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	27	28	30
T-Min(°C)	14	13	12	13	14
Cloud Cover(octa)	4	4	2	5	3
RH Max (%)	69	62	57	79	83
RH Min (%)	31	28	17	20	21
Wind Speed (Kmph)	7	5	6	5	4
Wind Direction (deg)	23	349	72	68	360

**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 prevailed and forecasted for the block 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 milk dough stage to maturity stage. Drainout 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. If the groundnut crops are at flowering stage go for irrigation at moisture sensitive stage.

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





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



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- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.  
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- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

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

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