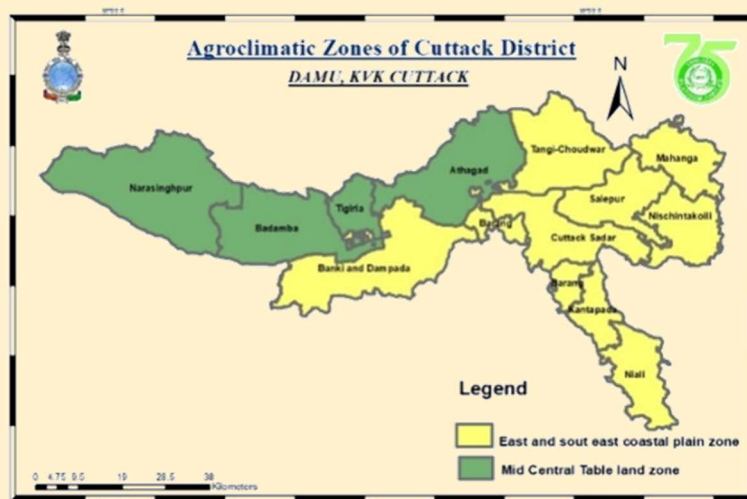




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday, 22nd April, 2025
(For the period 22nd to 26th April,
2025)*



*Issued by
District Agromet Unit,
KrishiVigyan Kendra Cuttack*



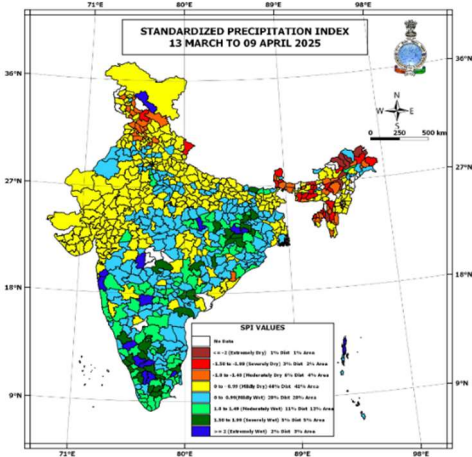
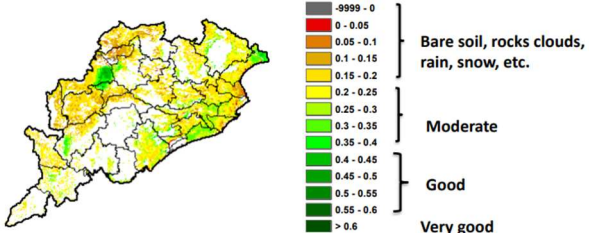


GRAMIN KRISHI MAUSAM SEWA
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Bulletin No.-568
Date- 22/04/2025

STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p align="center">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CAUI, CRS PUNE</p> 	<p align="center">NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 15 (09.04.2025 to 15.04.2025) over Agricultural region</p> <p align="center">Odisha</p>  <p align="center">Agriculture vigour is good at few places in the district of Bargarh and moderate at isolated places rest of the state.</p>
<p>As per SPI value (cumulative 4weeks -13 March to 09 April, 2025), mildly wet condition was there in Cuttack district.</p>	<p>According to NDVI map (09.04.2025 to 15.04.2025) the agriculture vigor was light to moderate over most 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



DrRanjan Kumar Mohanta
 (Nodal officer)

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

The block received average 10 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather advisory: *Dry weather is forecasted for next 5 days in the block.* The day temperature will be 38-39°C and night temperature will be 26°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-83% and 13-33% 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	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall (mm)	00	00	00	00	00
T-Max (°C)	39	39	39	39	38
T-Min (°C)	26	26	26	26	26
Cloud Cover (octa)	1	1	0	1	3
RH Max (%)	75	72	80	83	81
RH Min (%)	20	13	19	32	33
Wind Speed (kmph)	17	19	21	23	22
Wind Direction (deg)	203	204	201	198	191

Crop specific Agro-met AdvisoryGeneral advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.Crops and vegetables:

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCl (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-568
Date- 22/04/2025

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 02 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather advisory Dry weather is forecasted for next 5 days in the block. The day temperature will be 40-41°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-82% and 11-31% 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	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	40	41	40	40	40
T-Min(°C)	26	25	25	24	25
Cloud Cover(octa)	1	1	0	1	3
RH Max (%)	70	69	77	82	77
RH Min (%)	18	11	16	26	31
Wind Speed (Kmph)	15	15	16	18	16
Wind Direction (deg)	199	203	191	193	171

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.

Crops and vegetables:

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCl (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-568
Date- 22/04/2025

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 39°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-84% and 16-35% 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	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	39	39	39	39	39
T-Min(°C)	26	26	25	25	25
Cloud Cover(octa)	1	1	0	1	4
RH Max (%)	76	72	81	84	80
RH Min (%)	23	16	22	33	35
Wind Speed (Kmph)	18	20	21	23	20
Wind Direction (deg)	204	204	203	193	191

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.

Crops and vegetables:

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCl (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.



DrRanjan Kumar Mohanta
(Nodal officer)

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**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPADA****District Past week average weather condition and Block past week average Rainfall condition**

The block received average 01 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather Advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 38-39°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-84% and 17-35% 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)				
Date	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	39	39	39	39	38
T-Min(°C)	26	26	25	25	25
Cloud Cover(octa)	1	1	0	1	4
RH Max (%)	76	73	81	84	81
RH Min (%)	24	17	23	34	35
Wind Speed (Kmph)	18	20	22	23	21
Wind Direction (deg)	203	204	203	198	191

Crop specific Agro-met Advisory**General advisory:**

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.**Crops and vegetables:**

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCl (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

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Bulletin No.-568
Date- 22/04/2025

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 11 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather advisory: *Dry weather is forecasted for next 5 days in the block.* The day temperature will be 36-39°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-83% and 23-42% 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	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	39	38	38	36	36
T-Min(°C)	26	27	26	26	27
Cloud Cover	1	1	0	0	4
RH Max (%)	81	75	83	83	81
RH Min (%)	30	23	31	41	42
Wind Speed (Kmph)	22	26	27	29	26
Wind Direction (deg)	203	203	203	203	203

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.

Crops and vegetables:

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCl (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

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Bulletin No.-568
Date- 22/04/2025

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 17 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 37-39°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-83% and 17-39% 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	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	39	39	38	37	37
T-Min(°C)	27	27	27	26	27
Cloud Cover(octa)	1	1	0	0	4
RH Max (%)	79	74	82	83	81
RH Min (%)	24	17	26	37	39
Wind Speed (Kmph)	20	24	25	27	25
Wind Direction (deg)	203	204	203	203	201

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.

Crops and vegetables:

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCl (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-568
Date- 22/04/2025

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 02 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 36-38°C and night temperature will be 27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-83% and 31-49% 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	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	38	38	36	36	36
T-Min(°C)	27	27	27	27	27
Cloud Cover(octa)	1	1	0	0	4
RH Max (%)	81	76	83	83	79
RH Min (%)	37	31	39	48	49
Wind Speed (Kmph)	25	29	29	30	28
Wind Direction (deg)	203	203	203	203	203

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.

Crops and vegetables:

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCl (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-568
Date- 22/04/2025

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 06 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be and it will be 36-39°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-82% and 20-42% 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	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	39	39	37	36	37
T-Min(°C)	27	26	26	26	27
Cloud Cover(octal)	1	1	0	0	3
RH Max (%)	78	75	81	82	80
RH Min (%)	26	20	31	42	42
Wind Speed (Kmph)	23	25	28	29	28
Wind Direction (deg)	203	203	203	203	203

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.

Crops and vegetables:

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCl (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.



DrRanjan Kumar Mohanta
 (Nodal officer)

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Bulletin No.-568
Date- 22/04/2025

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 04 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 41-42°C and night temperature will be 23-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 62-79% and 08-22% 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	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	42	42	42	42	41
T-Min(°C)	26	25	25	24	23
Cloud Cover(octa)	1	1	0	1	3
RH Max (%)	62	63	73	79	67
RH Min (%)	12	8	10	17	22
Wind Speed (Kmph)	11	9	10	11	11
Wind Direction (deg)	203	195	191	193	203

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.

Crops and vegetables:

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCI (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-568
Date- 22/04/2025

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 02 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 35-37°C and night temperature will be 27°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-82% and 38-53% 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	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	37	37	36	35	36
T-Min(°C)	27	27	27	27	27
Cloud Cover(octa)	1	1	0	1	5
RH Max (%)	81	77	82	82	79
RH Min (%)	44	38	45	53	53
Wind Speed(Kmph)	27	30	30	31	29
Wind Direction(deg)	204	203	203	203	203

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.

Crops and vegetables:

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCl (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.



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Bulletin No.-568
Date- 22/04/2025

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

The block received average 04 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weatheradvisory: Dry weather is forecasted for next 5days in the block. The day temperature will be 36-39°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-82% and 25-44% respectively. **There will be clear to partly cloudy sky for next 5days.**

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	39	39	37	36	36
T-Min(°C)	27	27	26	27	27
Cloud Cover(octa)	1	1	0	0	4
RH Max (%)	79	76	82	82	80
RH Min (%)	30	25	36	44	44
Wind Speed (Kmph)	24	26	28	29	28
Wind Direction (deg)	203	203	203	203	203

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.

Crops and vegetables:

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCl (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.



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Bulletin No.-568
Date- 22/04/2025

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 05 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather advisory: *Dry weather is forecasted for next 5days in the block.* The day temperature will be 36-39°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-82% and 23-43% respectively. **There will be clear to partly cloudy sky for next 5days.**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	39	39	37	36	36
T-Min(°C)	27	27	26	27	27
Cloud Cover(octa)	1	1	0	0	4
RH Max (%)	80	76	82	82	80
RH Min (%)	28	23	34	43	43
Wind Speed (Kmph)	23	26	28	29	28
Wind Direction (deg)	203	203	203	203	203

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.

Crops and vegetables:

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCl (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-568
Date- 22/04/2025

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 07 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather advisory: Dry weather is forecasted for next 5 days in the block. The day temperature will be 35-37°C and night temperature will be 29-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-82% and 49-59% 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	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	37	37	36	36	35
T-Min(°C)	30	29	30	30	29
Cloud Cover(octa)	1	1	0	0	4
RH Max (%)	80	79	81	82	81
RH Min (%)	54	49	54	59	59
Wind Speed (Kmph)	29	31	32	31	30
Wind Direction (deg)	204	204	203	203	203

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.

Crops and vegetables:

- Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, so Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.
- Two sprays of plant growth substances such as Salicylic acid (250 µmol/ lit) or Sodium nitroprusside (SNP @ 25 µmol/ lit) is also helpful in improving fruit set and size in tomato.
- If the orchard is more than 6 years age, 150-240 litres water/day/tree is required. Drip irrigation with organic mulch should be preferred.
- Mulching helps in maintaining the soil moisture for long period. Mulch the soil with paddy straw or locally available organic or inorganic material. Black polythene material would be essential to prevent excess evaporation.
- Foliar spray of 2% DAP + 1% KCl (MOP) during critical stages of flowering and grain formation.
- Foliar spray of 2-4% Kaolin is recommended depending on the severity to reduce the transpiration. Two foliar sprays of Potassium nitrate 1 – 1.5% may also be done at an interval of 15 days during April-May. Foliar spray of 500 ppm Cycocel (1 ml of commercial product per litre of water).
- Spray of 40 ppm NAA to check flower and fruit drop (4 ml of Planofix in 4.5 litres of water).
- Foliar spray of 100 ppm salicylic acid for increasing stem reserve utilization under high moisture stress and also spray of 0.3 % Boric acid + 0.5 % ZnSO₄ + 0.5 % FeSO₄ + 1.0 % urea during critical stages of the stress.
- Use shading net of 50% (1.5-2.0 m above the field surface) to reduce the intensity of solar radiation in vegetable crops.
- In Mango due to high temperature stress in many areas leaf fall is observed. To overcome the leaf fall and to enhance the turgidity spray 0.2 % cent Potassium Sulphate.
- In Banana, as a mitigation measure, 0.1mM salicylic acid (140 mg/litre of water with surfactant) foliar spray can be given to the plant @ 250 ml/plant. Foliar application of Kaolinite (5%) during vegetative state reduces the transpiration water loss.
- In Banana Application of 5kg Rice husk ash or composted coir pith in the pit at the time of planting is recommended to increase the water holding capacity in the rhizosphere.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.



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Bulletin No.-568
Date- 22/04/2025

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 04 mm and district received average 05 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.97°C (-2.33) and 23.47°C (-0.68), respectively. The mean relative humidity was 67-82%.

Forecasted period: Today(8.30IST) to 27th April (8.30IST)2025

Weather advisory: *Dry weather is forecasted for next 5 days in the block.* The day temperature will be 39-40°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-83% and 11-32% 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	22/04/2025	23/04/2025	24/04/2025	25/04/2025	26/04/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	39	40	39	39	39
T-Min(°C)	26	26	26	25	25
Cloud Cover(octa)	1	1	0	1	3
RH Max (%)	72	70	79	83	80
RH Min (%)	18	11	17	28	32
Wind Speed (Kmph)	15	17	19	20	19
Wind Direction (deg)	203	203	199	180	191

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or above) likely to prevail in between next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

Special agro-met advisory for anticipated heat wave condition in Cuttack district.

Crops and vegetables:

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- Foliar spray of 2% DAP + 1% KCI (MOP) during critical stages of flowering and grain formation.
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- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.

<https://play.google.com/store/apps/details?id=com.aas.meghdoot>

- Kindly install and use **“Damini mobile App”** for location specific for lightening forecast and warnings.

<https://play.google.com/store/apps/details?id=com.lightening.live.damini>

- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

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



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