



GRAMIN KRISHI MAUSAM SEWA

INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT

KRISHI VIGYAN KENDRA CUTTACK

(A Unit of ICAR-National Rice Research Institute)

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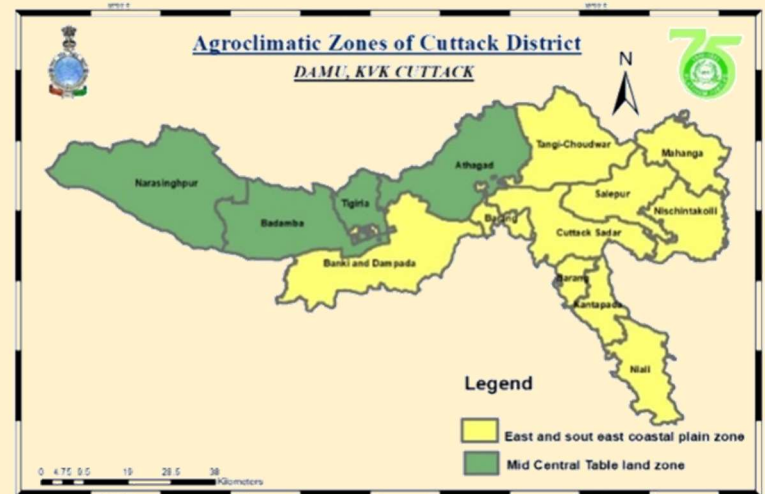


Bulletin No.-552

Date- 14/02/2025

Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday, 14th February, 2025
(For the period 14th to 18th February,
2025)*



*Issued by
District Agromet Unit,
KrishiVigyan Kendra Cuttack*

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
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STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p>MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p>STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 26 DECEMBER 2024 TO 22 JANUARY 2025</p> <p>SPI VALUES</p> <ul style="list-style-type: none"> > 2.0 (Extremely Dry): 0% Area 1.50 to < 2.0 (Very Dry): 0% Area 1.00 to < 1.50 (Dry): 0% Area 0.50 to < 1.00 (Moderately Dry): 0% Area 0.00 to < 0.50 (Near Normal): 0% Area -0.50 to < 0.00 (Moderately Wet): 0% Area -1.00 to < -0.50 (Wet): 0% Area < -1.50 (Extremely Wet): 0% Area 	<p>NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 5 (29.01.2025 to 04.02.2025) over Agricultural region</p> <p>Odisha</p> <ul style="list-style-type: none"> -0.999 - 0 0 - 0.05 0.05 - 0.1 0.1 - 0.15 0.15 - 0.2 0.2 - 0.25 0.25 - 0.3 0.3 - 0.35 0.35 - 0.4 0.4 - 0.45 0.45 - 0.5 0.5 - 0.55 0.55 - 0.6 > 0.6 <p>Bare soil, rocks clouds, rain, snow, etc.</p> <p>Moderate</p> <p>Good</p> <p>Very good</p> <p>Agriculture vigour is moderate at isolated places of the state.</p>
<p>As per SPI value (cumulative 4weeks -26 December, 2024 to 22 January, 2025), moderately wet condition was there in Cuttack district.</p>	<p>According to NDVI map (29.01.2025 to 04.02.2025) the agriculture vigor was very light to light 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	


















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

Sl No	Crop	Stage and condition of the crop	Anticipated Disease and pest	
1	Pulses (Green gram and black gram)	Vegetative stage to flowering		Powdery Mildew
				Flea beetles
	Mustard	Vegetative stage to flowering		Painted Bug
				Aphid
				Alternaria blight
3	Rabi Groundnut	Vegetative stage to flowering		Aphid and Mites
				Spodotera/Tobacco caterpillar
				Rust
				Collar rot
4	Vegetables (Tomato,Chilli, Brinjal)	Vegetative to fruiting		Mites
				Chili Aphid
5	Tomato	Flowering to Fruting		Late blight
				White fly

Dr Sujata Sethy
 (Nodal officer)



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				Flower drop
6	Potato	Sprouting/Vegetative stage		Potato tuber moth
				Late blight
7	Cabbage and Cauliflower	Vegetative to Flowering		Diamond back moth
8	Mango	Vegetative to Flowering		Mango hooper
				Mealy Bug
				Powdery Mildew
9	Papaya	Fruting stage		Mealy bug

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**Bulletin No.-552
Date- 14/02/2025**

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively.** The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weather advisory: Dry weather is forecasted for upcoming 5days in the block. The day temperature will be 36-38°C and night temperature will be 18-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-97% and 10-21% respectively. There will be clear sky for next 5days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall (mm)	00	00	00	00	00
T-Max (°C)	36	36	38	38	38
T-Min (°C)	18	21	22	21	22
Cloud Cover (octa)	0	0	0	0	1
RH Max (%)	85	97	95	92	94
RH Min (%)	10	10	17	21	21
Wind Speed (kmph)	8	5	8	13	11
Wind Direction (deg)	335	342	191	200	193

Agromet Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

Pulses:

Forecasted weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is **at flowering stage**. To manage **aphids Mites and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. **Due to humid and foggy weather in past** there may be infestation of **leaf rust** in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. Painted bug and Aphid attack may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: Irrigate vegetable crops in 7-10 days interval based upon soil moisture. Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.

• **Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.

• **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress in future, deficiency of boron due to hormonal disbalance flower drop occurs.** Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acidamiprid 1 ml/lit of water or Diaphenthiuron 12.5 gram/ 15 lit of water.

• **Potato:**
• **As soil temperature at depth of 05-10cm has been raised above 30°C, which will drastically reduce the tuber yield, so farmers should go for application of soil mulch and frequent irrigation to maintain the soil temperature.** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

• **Onion:** Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.

• **Fruits**
To control **mealy bug infestation in papaya, guava, mango** wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying

Mango: Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew before floral initiation.

**Dr Sujata Sethy
(Nodal officer)**



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Bulletin No.-552
Date- 14/02/2025

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively. The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 37-39°C and night temperature will be 19-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-95% and 09-21% respectively. There will be clear sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	37	37	39	38	39
T-Min(°C)	19	21	22	22	23
Cloud Cover(octa)	0	0	0	0	1
RH Max (%)	70	93	95	93	95
RH Min (%)	10	9	16	21	19
Wind Speed (Kmph)	8	5	7	12	9
Wind Direction (deg)	335	165	193	197	180

Agromet Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

Pulses:

Forecasted weather may aggravate the infestation of Flea beetle and powdery mildew in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids Mites and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. Due to humid and foggy weather in past there may be infestation of leaf rust in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. Painted bug and Aphid attack may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the leaf blight of mustard, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: Irrigate vegetable crops in 7-10 days interval based upon soil moisture. Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. Harvest the matured heads and Curds in the upcoming dry days. Due to fluctuating temperature condition there may be an attack of Diamond Back Moth in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Due to water stress in future, deficiency of boron due to hormonal disbalance flower drop occurs. Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage late blight in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control white fly Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diaphenthiuron 12.5 gram/ 15 lit of water.
- Potato:**
- As soil temperature at depth of 05-10cm has been raised above 30°C, which will drastically reduce the tuber yield, so farmers should go for application of soil mulch and frequent irrigation to maintain the soil temperature. There are chances of Potato Tuber Moth infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days. Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits**

To control mealy bug infestation in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
Mango: Present weather conditions are favourable for the incidence of Mango hoppers. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of powdery mildew in Mango. Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-552
Date- 14/02/2025

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively. The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weather advisory; Dry weather is forecasted for upcoming 5days in the block. The day temperature will be 37-38°C and night temperature will be 19-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-95% and 10-22% respectively. There will be clear sky for next 5days.

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	37	37	38	38	38
T-Min(°C)	19	21	22	22	23
Cloud Cover(octa)	0	0	0	0	1
RH Max (%)	80	95	94	91	93
RH Min (%)	10	10	19	22	22
Wind Speed (Kmph)	8	5	10	14	11
Wind Direction (deg)	334	162	198	200	203

Agromet Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

Pulses:

Forecasted weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at **flowering stage**. To manage **aphids Mites and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. **Due to humid and foggy weather in past** there may be infestation of **leaf rust** in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. Painted bug and Aphid attack may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: Irrigate vegetable crops in 7-10 days interval based upon soil moisture. Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.

- **Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.
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- **Potato:**
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- **Onion: Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.

• **Fruits**
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Bulletin No.-552
Date- 14/02/2025

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPADA

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively.** The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weather Advisory: *Dry weather is forecasted for upcoming 5days in the block.* The day temperature will be 37-38°C and night temperature will be 19-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-96% and 09-23% respectively. There will be clear sky for next 5days.

Block	Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	37	37	38	38	38
T-Min(°C)	19	21	22	22	23
Cloud Cover(octa)	0	0	0	0	1
RH Max (%)	81	96	95	91	93
RH Min (%)	9	10	19	23	23
Wind Speed (Kmph)	8	5	10	14	12
Wind Direction (deg)	334	162	198	200	203

Agromet Advisory

General Advisory:

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Pulses:

Forecasted weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at **flowering stage**. To manage **aphids Mites and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. **Due to humid and foggy weather in past** there may be infestation of **leaf rust** in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. **To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: **Irrigate vegetable crops in 7-10 days interval based upon soil moisture.** **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.

• **Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.

• **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress in future, deficiency of boron due to hormonal disbalance flower drop occurs.** Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acidamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water.

• **Potato:**
 • **As soil temperature at depth of 05-10cm has been raised above 30°C, which will drastically reduce the tuber yield, so farmers should go for application of soil mulch and frequent irrigation to maintain the soil temperature.** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

• **Onion:** **Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.

• **Fruits**
 To control **mealy bug infestation in papaya, guava, mango** wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying

• **Mango:** **Present weather conditions are favourable for the incidence of Mango hoppers. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l.** during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of powdery mildew in Mango. Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-552
Date- 14/02/2025

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively. The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weatheradvisory: *Dry weather is forecasted for upcoming 5days in the block.* The day temperature will be 36-37°C and night temperature will be 19-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-98% and 09-27% respectively. There will be clear sky for next 5days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	36	36	36	36	37
T-Min(°C)	19	21	22	22	23
Cloud Cover	0	0	0	0	0
RH Max (%)	87	98	96	91	92
RH Min (%)	9	12	24	24	27
Wind Speed (Kmph)	8	7	12	15	15
Wind Direction (deg)	158	195	201	201	201

Agromet Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

Pulses:

Forecasted weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids Mites and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. Due to humid and foggy weather in past there may be infestation of leaf rust in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. Painted bug and Aphid attack may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the leaf blight of mustard, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: Irrigate vegetable crops in 7-10 days interval based upon soil moisture. Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. Harvest the matured heads and Curds in the upcoming dry days. Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Due to water stress in future, deficiency of boron or due to hormonal disbalance flower drop occurs. Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage late blight in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control white fly Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acidamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water.
- Potato:**
- As soil temperature at depth of 05-10cm has been raised above 30°C, which will drastically reduce the tuber yield, so farmers should go for application of soil mulch and frequent irrigation to maintain the soil temperature.** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days. Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits**
- To control mealy bug infestation in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- Mango:** Present weather conditions are favourable for the incidence of Mango hoppers. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of powdery mildew in Mango. Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-552
Date- 14/02/2025

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively. The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weather advisory; Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 36-37°C and night temperature will be 19-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-98% and 09-23% respectively. There will be clear sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	36	36	37	37	37
T-Min(°C)	19	21	22	22	23
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	87	98	96	92	93
RH Min (%)	9	11	20	22	23
Wind Speed (Kmph)	7	6	10	14	13
Wind Direction (deg)	304	203	201	201	198

Agromet Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

Pulses:

Forecasted weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at **flowering stage**. To manage **aphids Mites and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. **Due to humid and foggy weather in past** there may be infestation of **leaf rust** in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. **Painted bug and Aphid attack** may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: Irrigate vegetable crops in 7-10 days interval based upon soil moisture. **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.

- **Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.
 - **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress in future, deficiency of boron or due to hormonal disbalance flower drop occurs.** Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acidamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water.
 - **Potato:**
 - **As soil temperature at depth of 05-10cm has been raised above 30°C, which will drastically reduce the tuber yield, so farmers should go for application of soil mulch and frequent irrigation to maintain the soil temperature.** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
 - **Onion:** **Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
 - **Fruits**
- To control **mealy bug infestation** in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
- Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chloropyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-552
Date- 14/02/2025

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively. The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 35-36°C and night temperature will be 20-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-97% and 10-32% respectively. There will be clear sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	36	36	35	36	36
T-Min(°C)	20	22	23	22	23
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	88	97	95	90	89
RH Min (%)	10	18	31	27	32
Wind Speed (Kmph)	8	8	13	16	16
Wind Direction (deg)	158	198	201	201	203

Agromet Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

Pulses:

Forecasted weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids Mites and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. Due to humid and foggy weather in past there may be infestation of leaf rust in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. Painted bug and Aphid attack may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: Irrigate vegetable crops in 7-10 days interval based upon soil moisture. Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.

- **Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. Harvest the matured heads and Curds in the upcoming dry days. Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Due to water stress in future, deficiency of boron due to hormonal disbalance flower drop occurs. Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acidamidrid 1 ml/lit of water or Diafenthuron 12.5 gram/ 15 lit of water.
- **Potato:**
- **As soil temperature at depth of 05-10cm has been raised above 30°C, which will drastically reduce the tuber yield, so farmers should go for application of soil mulch and frequent irrigation to maintain the soil temperature.** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days. Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- **Fruits**

To control mealy bug infestation in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying
Mango: Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chloropyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-552
Date- 14/02/2025

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively. The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be and it will be 35-37°C and night temperature will be 20-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-98% and 10-27% respectively. There will be clear sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	35	35	36	37	37
T-Min(°C)	20	22	23	22	23
Cloud Cover(octal)	0	0	0	0	0
RH Max (%)	83	98	97	93	93
RH Min (%)	10	15	24	25	27
Wind Speed (Kmph)	8	7	11	15	14
Wind Direction (deg)	304	195	201	201	193

Agromet Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

Pulses:

Forecasted weather may aggravate the infestation of Flea beetle and powdery mildew in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids Mites and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. Due to humid and foggy weather in past there may be infestation of leaf rust in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. Painted bug and Aphid attack may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the leaf blight of mustard, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: Irrigate vegetable crops in 7-10 days interval based upon soil moisture. Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.

- **Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. Harvest the matured heads and Curds in the upcoming dry days. Due to fluctuating temperature condition there may be an attack of Diamond Back Moth in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Due to water stress in future, deficiency of boron due to hormonal disbalance flower drop occurs. Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage late blight in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control white fly Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acidamid 1 ml/lit of water or Diafenthuron 12.5 gram/ 15 lit of water.
- **Potato:**
- **As soil temperature at depth of 05-10cm has been raised above 30°C, which will drastically reduce the tuber yield, so farmers should go for application of soil mulch and frequent irrigation to maintain the soil temperature.** There are chances of Potato Tuber Moth infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days. Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- **Fruits**

To control mealy bug infestation in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying

Mango: Present weather conditions are favourable for the incidence of Mango hoppers. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chloropyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of powdery mildew in Mango. Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-552
Date- 14/02/2025

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively. The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 37-41°C and night temperature will be 20-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 50-98% and 10-19% respectively. There will be clear sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	37	38	41	40	41
T-Min(°C)	20	21	23	23	24
Cloud Cover(/octa)	0	0	0	1	1
RH Max (%)	50	85	96	94	98
RH Min (%)	11	10	14	19	17
Wind Speed (Kmph)	6	4	4	8	5
Wind Direction (deg)	335	326	180	197	180

Agromet Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

Pulses:

Forecasted weather may aggravate the infestation of Flea beetle and powdery mildew in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids Mites and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. Due to humid and foggy weather in past there may be infestation of leaf rust in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. Painted bug and Aphid attack may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the leaf blight of mustard, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: Irrigate vegetable crops in 7-10 days interval based upon soil moisture. Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.

• **Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. Harvest the matured heads and Curds in the upcoming dry days. Due to fluctuating temperature condition there may be an attack of Diamond Back Moth in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.

• **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Due to water stress in future, deficiency of boron due to hormonal disbalance flower drop occurs. Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage late blight in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control white fly Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acidamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water.

• **Potato:**
 • As soil temperature at depth of 05-10cm has been raised above 30°C, which will drastically reduce the tuber yield, so farmers should go for application of soil mulch and frequent irrigation to maintain the soil temperature. There are chances of Potato Tuber Moth infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

• **Onion:** Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days. Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.

• **Fruits**
 To control mealy bug infestation in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying

• **Mango:** Present weather conditions are favourable for the incidence of Mango hoppers. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chloropyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of powdery mildew in Mango. Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-552
Date- 14/02/2025

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively. The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 34-36°C and night temperature will be 20-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-96% and 14-38% respectively. **There will be clear sky for next 5 days.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	36	35	34	35	35
T-Min(°C)	20	23	23	23	24
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	90	96	94	88	87
RH Min (%)	14	26	38	32	36
Wind Speed(Kmph)	8	9	13	16	17
Wind Direction(deg)	338	193	203	201	201

Agromet Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

Pulses:

Forecasted weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids Mites and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. **Due to humid and foggy weather in past** there may be infestation of leaf rust in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. Painted bug and Aphid attack may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: Irrigate vegetable crops in 7-10 days interval based upon soil moisture. Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.

• **Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively.

Harvest the matured heads and Curds in the upcoming dry days. Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.

• **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress in future, deficiency of boron or due to hormonal disbalance flower drop occurs.** Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acidamidprid 1 ml/lit of water or Diafenthion 12.5 gram/ 15 lit of water.

• **Potato:**

• **As soil temperature at depth of 05-10cm has been raised above 30°C, which will drastically reduce the tuber yield, so farmers should go for application of soil mulch and frequent irrigation to maintain the soil temperature.** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

• **Onion: Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.

• **Fruits**

To control **mealy bug infestation** in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying

• **Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chloropyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-552
Date- 14/02/2025

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively. The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weatheradvisory: Dry weather is forecasted for upcoming 5days in the block. The day temperature will be 36-37°C and night temperature will be 20-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-98% and 10-29% respectively. There will be clear sky for next 5days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	36	36	36	36	37
T-Min(°C)	20	22	23	23	23
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	84	98	96	93	92
RH Min (%)	10	16	26	25	29
Wind Speed (Kmph)	8	8	12	15	15
Wind Direction (deg)	304	195	201	201	198

Agromet Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

Pulses:

Forecasted weather may aggravate the infestation of **Flea beetle and powdery mildew** in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at **flowering stage**. To manage **aphids Mites and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. **Due to humid and foggy weather in past** there may be infestation of **leaf rust** in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. Painted bug and Aphid attack may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the **leaf blight of mustard**, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: Irrigate vegetable crops in 7-10 days interval based upon soil moisture. Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.

• **Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. **Harvest the matured heads and Curds in the upcoming dry days.** Due to fluctuating temperature condition there may be an attack of **Diamond Back Moth** in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.

• **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress in future, deficiency of boron or due to hormonal disbalance flower drop occurs.** Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage **late blight** in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control **white fly** Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acidamiprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water.

• **Potato:**

• **As soil temperature at depth of 05-10cm has been raised above 30°C, which will drastically reduce the tuber yield, so farmers should go for application of soil mulch and frequent irrigation to maintain the soil temperature.** There are chances of **Potato Tuber Moth** infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

• **Onion: Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days.** Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.

• **Fruits**

To control **mealy bug infestation in papaya, guava, mango** wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying

• **Mango:** Present weather conditions are favourable for the incidence of **Mango hoppers**. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chloropyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of **powdery mildew** in Mango. Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-552
Date- 14/02/2025

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively. The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weather advisory: Dry weather is forecasted for upcoming 5days in the block. The day temperature will be 36-37°C and night temperature will be 20-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-98% and 10-28% respectively. There will be clear sky for next 5days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	36	36	36	37	37
T-Min(°C)	20	22	23	23	23
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	85	98	96	93	92
RH Min (%)	10	15	25	25	28
Wind Speed (Kmph)	8	7	12	15	14
Wind Direction (deg)	304	195	201	201	198

Agromet Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

Pulses:

Forecasted weather may aggravate the infestation of Flea beetle and powdery mildew in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids Mites and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. Due to humid and foggy weather in past there may be infestation of leaf rust in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. Painted bug and Aphid attack may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the leaf blight of mustard, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: Irrigate vegetable crops in 7-10 days interval based upon soil moisture. Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. Harvest the matured heads and Curds in the upcoming dry days. Due to fluctuating temperature condition there may be an attack of Diamond Back Moth in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Due to water stress in future, deficiency of boron due to hormonal disbalance flower drop occurs. Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage late blight in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control white fly Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acidamidiprid 1 ml/lit of water or Diafenthuron 12.5 gram/ 15 lit of water.
- Potato:**
- As soil temperature at depth of 05-10cm has been raised above 30°C, which will drastically reduce the tuber yield, so farmers should go for application of soil mulch and frequent irrigation to maintain the soil temperature. There are chances of Potato Tuber Moth infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days. Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits**

To control mealy bug infestation in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying

Mango: Present weather conditions are favourable for the incidence of Mango hoppers. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chloropyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of powdery mildew in Mango. Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy
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Bulletin No.-552
 Date- 14/02/2025

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively. The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 36-37°C and night temperature will be 20-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-94% and 27-51% respectively. There will be clear sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	36	36	36	37	37
T-Min(°C)	20	22	23	23	23
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	86	94	90	85	85
RH Min (%)	27	44	51	43	45
Wind Speed (Kmph)	11	11	15	17	18
Wind Direction (deg)	108	171	193	204	201

Agromet Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

Pulses:

Forecasted weather may aggravate the infestation of Flea beetle and powdery mildew in pulses. Spray neem oil 5 ml/L of water to control Flea beetle and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew.

Rabi-Groundnut: Irrigate the groundnut crop at flowering stage as there will be no rainfall is forecasted.

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids Mites and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. Due to humid and foggy weather in past there may be infestation of leaf rust in Groundnut to control this apply tebuconazole 25.9% EC 2ml or bitertanol 25.0% WP 2 gram per liter water.

Mustard: As there are very less chances of rainfall so, one irrigation is needed at 50-60 days old plants based upon soil moisture status. To protect the mustard crop from the outbreak of drought at the time of ripening, make a solution of potassium nitrate 1 kg in 100 liter of water and spray at the flowering and pod stage of the crop. Painted bug and Aphid attack may take place in mustard crop, apply Thiamethoxam 25% WG @ 3g per 10 litres of water. To control the leaf blight of mustard, spray mancozeb @ 3 gram per liter or propeconazol @ 1 ml per liter at 15 days interval for 2-3 times.

Vegetables: Irrigate vegetable crops in 7-10 days interval based upon soil moisture. Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenophos @2ml/litre of water. To control the sucking pests like aphid & white fly, spray Imidacloprid @ 5ml/10 lit of water.

- Cabbage and Cauliflower:** The transplanted cabbage and Cauliflower is at head and Curd development to maturity (9-12 week) stage respectively. Harvest the matured heads and Curds in the upcoming dry days. Due to fluctuating temperature condition there may be an attack of Diamond Back Moth in Cabbage and cauliflower. To control this apply Spinosad 45SC @ 0.5ml/l.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Due to water stress in future, deficiency of boron due to hormonal disbalance flower drop occurs. Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. To manage late blight in tomato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval. To control white fly Spray Imidacloprid (18.7% S.L) 0.8 ml/lit of water or Acetamiprid 1 ml/lit of water or Diaphenthiuron 12.5 gram/ 15 lit of water.
- Potato:**
- As soil temperature at depth of 05-10cm has been raised above 30°C, which will drastically reduce the tuber yield, so farmers should go for application of soil mulch and frequent irrigation to maintain the soil temperature. There are chances of Potato Tuber Moth infestation in potato. To manage this pest chemically spray Spinosad 45 % SC @ 75-ml/acre or Emamectin Benzoate 5% SG @ 80-gram/ acre or Chlorantraniliprole 18.5 % SC @80- ml/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- Onion:** Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development especially after 60 days. Rabi crop needs 10-15 irrigations at 7-10 days interval depending upon the soil moisture condition.
- Fruits**

To control mealy bug infestation in papaya, guava, mango wet the soil near the root zone of the plant with Chlorpyrifos @ 4 ml per litre of water and spray the same insecticide on plant @ 2 ml per litre of water; do not pluck fruits within 15 days of spraying

Mango: Present weather conditions are favourable for the incidence of Mango hoppers. To control go for spraying of phosphamidon @ 0.5ml/l (or) dimethoate 2ml/l (or) chlorpyrifos @2.5ml/l. during initial stages of flowering. Cloudy and foggy weather may aggravate the infestation of powdery mildew in Mango. Spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9% EC per litre water for controlling Powdery mildew before floral initiation.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-552
Date- 14/02/2025

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 00 mm and district received average 00 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.85°C (+0.65) and 18.57°C (+1.45), respectively. The mean relative humidity was 57-79%.

Forecasted period: Today(8.30IST) to 19th February (8.30IST)2025

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 36-38°C and night temperature will be 18-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-95% and 10-20% respectively. There will be clear sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	14/02/2025	15/02/2025	16/02/2025	17/02/2025	18/02/2025
Rainfall(mm)	00	00	00	00	00
T-Max(°C)	36	36	38	38	38
T-Min(°C)	18	21	22	22	22
Cloud Cover(octa)	0	0	0	0	1
RH Max (%)	81	95	95	93	94
RH Min (%)	10	10	16	20	19
Wind Speed (Kmph)	9	5	7	12	9
Wind Direction (deg)	335	165	171	200	180

Agro met Advisory

General Advisory:

Provide light and frequent irrigation to standing vegetables and crops during morning and evening hours to prevent damage from moisture and high temperature stress. Ridge and furrow irrigation should be practiced to conserve soil moisture in the main field.

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Bulletin No.-552
Date- 14/02/2025

				
MEGHDOOT APP	DAMINI APP	FACEBOOK (Damu Cuttack)	BLOCK SPECIFIC WHAT'S APP GROUPS	@DAMUCUTTACK

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

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

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