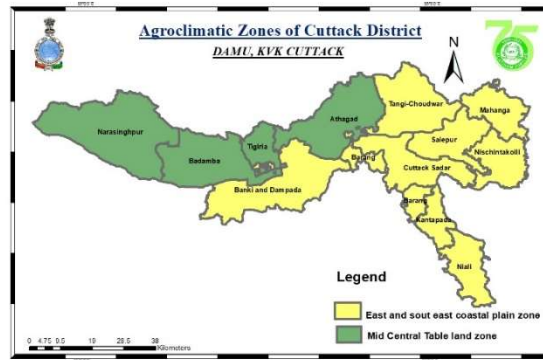
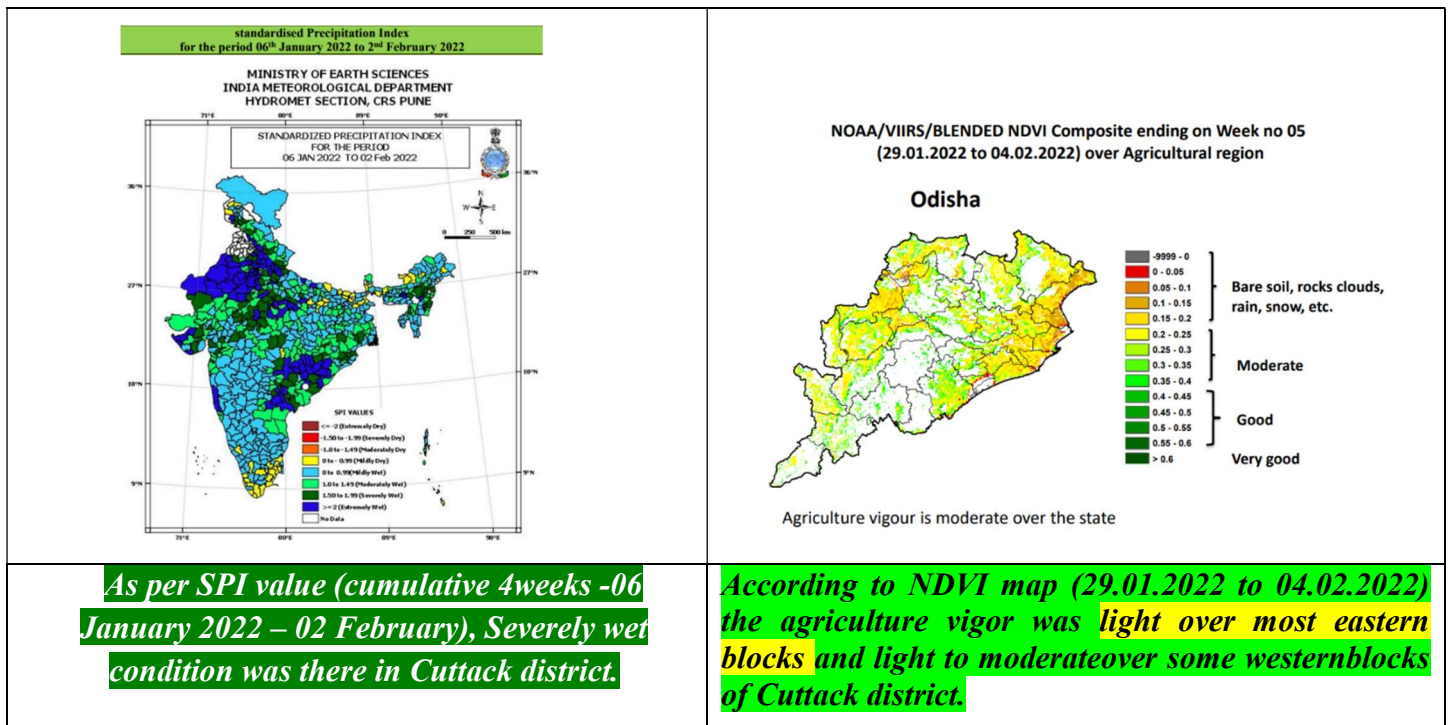




AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARD PRECIPITATION INDEX AND NDVI MAP



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



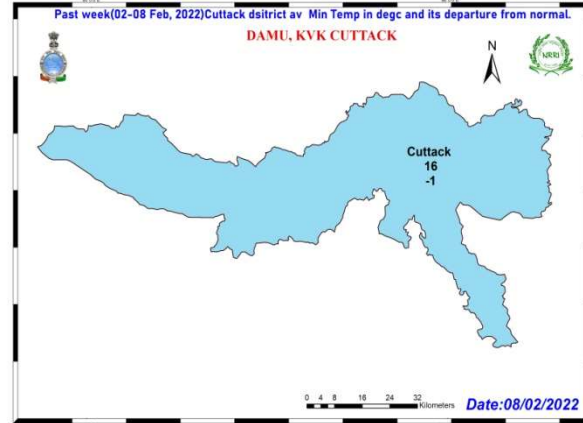
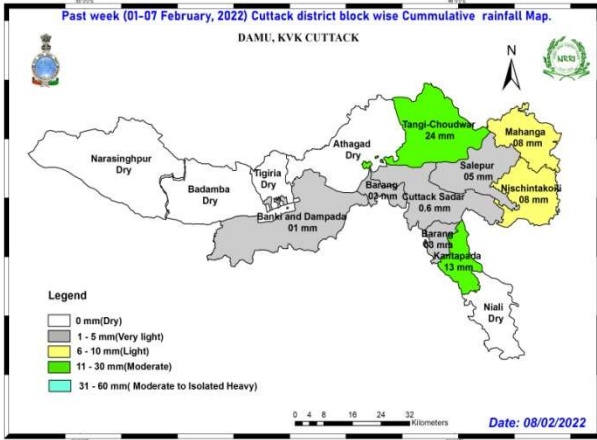


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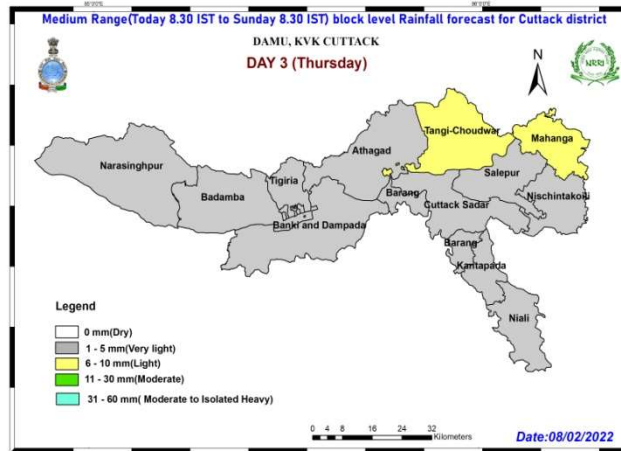
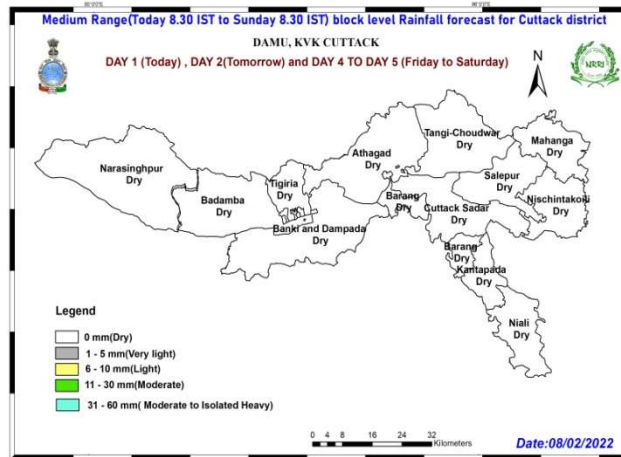


Bulletin No.-269
Date- 08/02/2022

Past week (01-07 Feb, 2022) cumulative rainfall and (02-08 Feb) average minimum temperature and its departure from normal for Cuttack district



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



Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-269
Date- 08/02/2022

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (13 – 19 February 2022)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	-92.00	Below Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	0.07	Normal
	Minimum temperature	-2.16	Below Normal

General Agromet Advisory--As There will be below normal rainfall and minimum temperature is forecasted in subsequent week, after ucoming 5 days so farmers are advise to complete their Rabi sowing activity in upcoming 5days as soon as possible and should make necessary arrangement of irrigation in the subsequent week.

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Bulletin No.-269

Date- 08/02/2022

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

Sl No	Crop	Stage and condition of the crop	Anticipated Disease and pest
1	Pulses (Green gram and black gram)	Vegetative stage to flowering	 Black headed caterpillar
			 Powdery Mildew
			 Flea beetles
2	Mustard	Vegetative stage to flowering	 Powdery Mildew
			 White Rust
			 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

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				Chili Aphid
5	Tomato	Flowering to Fruting		Late blight
				White fly
				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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-269
Date- 08/02/2022

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 0mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13thFebruary (8.30IST)2022

Weather advisory: Very light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be 30-31°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-86% and 14-34% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall (mm)	0	0	4	0	0
T-Max (°C)	30	30	31	31	30
T-Min (°C)	16	17	19	18	17
Cloud Cover (octa)	1	1	6	3	2
RH Max (%)	86	82	65	82	76
RH Min (%)	14	28	26	32	34
Wind Speed (kmph)	6	11	6	6	6
Wind Direction (deg)	158	158	199	72	45

Agromet Advisory

General advisory: Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.

Pulses:

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. For control of Bihar hairy caterpillar and spodotera go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. Due to past and forecasted rain Need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from collar rot, stem rot and tikka disease. Due to humid and cloudy weather 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 meet the deficiency of Sulfur applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control white rust disease in mustard, spray Copper oxychloride @ 3g per litre of water. **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:

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. 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:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development. 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.-269

Date- 08/02/2022

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 0mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather advisory: Very light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be 29-30°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-89% and 13-37% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	4	0	0
T-Max(°C)	30	29	30	31	29
T-Min(°C)	16	16	18	18	16
Cloud Cover(octa)	1	1	6	3	2
RH Max (%)	89	84	65	86	84
RH Min (%)	13	28	26	32	37
Wind Speed (Kmph)	5	11	6	5	6
Wind Direction (deg)	158	162	203	105	113

Agromet Advisory

General advisory: Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.

Pulses:

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. For control of Bihary hairy caterpillar and spodotera go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. Due to past and forecasted rain Need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from collar rot, stem rot and tikka disease. Due to humid and cloudy weather 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 meet the deficiency of Sulfar applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control white rust disease in mustard, spray Copper oxychloride @ 3g per litre of water. **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:

Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenofos @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. 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 Acridiniprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development. 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.

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(Nodal officer)



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Bulletin No.-269

Date- 08/02/2022

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather advisory: Very light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be 29-31°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-86% and 14-37% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	30	29	31	31	29
T-Min(°C)	16	16	18	18	17
Cloud Cover(octa)	1	1	6	3	2
RH Max (%)	86	83	66	85	80
RH Min (%)	14	29	25	32	37
Wind Speed (Kmph)	6	11	7	6	6
Wind Direction (deg)	155	159	199	79	105

Agromet Advisory

General advisory: Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.

Pulses:

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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.

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Vegetables:

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Bulletin No.-269

Date- 08/02/2022

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

The block received average 0.1 mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather Advisory: Very light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be 29-31°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-86% and 14-37% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	30	29	31	31	30
T-Min(°C)	16	16	18	18	17
Cloud Cover(octa)	1	1	6	3	2
RH Max (%)	86	82	67	84	80
RH Min (%)	14	29	25	32	37
Wind Speed (Kmph)	6	11	7	6	6
Wind Direction (deg)	158	159	195	105	105

Agromet Advisory

General advisory: Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.

Pulses:

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. For control of Bihary hairy caterpillar and spodotera go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. Due to past and forecasted rain Need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from collar rot, stem rot and tikka disease. Due to humid and cloudy weather 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 meet the deficiency of Sulfur applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control white rust disease in mustard, spray Copper oxychloride @ 3g per litre of water. **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:

Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenofos @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. 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 Acridiniprid 1 ml/lit of water or Diafenthiuron 12.5 gram/ 15 lit of water
- Potato:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development. 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.-269
Date- 08/02/2022

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 0.4mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather advisory: *Very light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block.* The day temperature will be 29-31°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-81% and 15-32% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	30	29	30	31	29
T-Min(°C)	17	17	19	19	17
Cloud Cover	1	1	6	3	2
RH Max (%)	81	80	68	79	75
RH Min (%)	15	30	25	31	32
Wind Speed (Kmph)	6	10	9	7	7
Wind Direction (deg)	160	162	200	23	45

Agromet Advisory

General advisory: *Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.*

Pulses:

In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. **Due to past and forecasted rain** need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from **collar rot, stem rot and tikka disease**. **Due to humid and cloudy weather** 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 meet the deficiency of Sulfar applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **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:

Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenofos @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. 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:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** 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.-269
Date- 08/02/2022

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 0.1 mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather advisory: Very light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be 29-31°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-81% and 15-31% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	30	30	31	31	29
T-Min(°C)	17	17	19	19	17
Cloud Cover(octa)	1	1	6	3	2
RH Max (%)	81	80	66	76	72
RH Min (%)	15	28	25	31	31
Wind Speed (Kmph)	6	10	8	7	7
Wind Direction (deg)	158	162	200	345	68

Agromet Advisory

General advisory: Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.

Pulses:

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. For control of Bihary hairy caterpillar and spodotera go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. Due to past and forecasted rain need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from collar rot, stem rot and tikka disease. Due to humid and cloudy weather 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 meet the deficiency of Sulfur applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control white rust disease in mustard, spray Copper oxychloride @ 3g per litre of water. **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:

Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenofos @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. 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:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development. 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.-269
Date- 08/02/2022

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 2mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather advisory: Very light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be 29-31°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-81% and 19-34% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	30	29	30	31	29
T-Min(°C)	18	17	19	19	17
Cloud Cover(octa)	1	1	6	3	2
RH Max (%)	78	79	70	81	77
RH Min (%)	19	32	25	32	34
Wind Speed (Kmph)	6	10	9	7	8
Wind Direction (deg)	165	162	200	360	34

Agromet Advisory

General advisory: Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.

Pulses:

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. For control of Bihary hairy caterpillar and spodoptera go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. Due to past and forecasted rain Need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from collar rot, stem rot and tikka disease. Due to humid and cloudy weather 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 meet the deficiency of Sulfur applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control white rust disease in mustard, spray Copper oxychloride @ 3g per litre of water. **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:

Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenofos @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. 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:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development. 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.-269

Date- 08/02/2022

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

The block received average 1mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather advisory: Light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be and it will be 29-31°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-79% and 18-34% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	6	0	0
T-Max(°C)	30	29	31	31	29
T-Min(°C)	17	17	19	18	16
Cloud Cover(octal)	1	1	6	3	2
RH Max (%)	79	79	66	70	70
RH Min (%)	18	30	25	31	34
Wind Speed (Kmph)	6	10	8	8	9
Wind Direction (deg)	180	167	195	23	45

Agromet Advisory

General advisory: Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.

Pulses:

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. For control of Bihary hairy caterpillar and spodotera go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. Due to past and forecasted rain Need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from collar rot, stem rot and tikka disease. Due to humid and cloudy weather 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: To meet the deficiency of Sulfur applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control white rust disease in mustard, spray Copper oxychloride @ 3g per litre of water. **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:

Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenofos @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. 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:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development. 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.-269
Date- 08/02/2022

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 0mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather advisory: Very light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be 28-32°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-93% and 13-30% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	4	0	0
T-Max(°C)	30	28	30	32	31
T-Min(°C)	15	15	17	16	16
Cloud Cover(octa)	1	1	6	3	2
RH Max (%)	93	87	67	89	92
RH Min (%)	13	27	26	30	29
Wind Speed (Kmph)	5	9	5	3	5
Wind Direction (deg)	158	162	195	79	135

Agromet Advisory

General advisory: Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.

Pulses:

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. For control of Bihary hairy caterpillar and spodoptera go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. Due to past and forecasted rain Need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from collar rot, stem rot and tikka disease. Due to humid and cloudy weather 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 meet the deficiency of Sulfur applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control white rust disease in mustard, spray Copper oxychloride @ 3g per litre of water. 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:

Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenofos @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. 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:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development. 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.-269
Date- 08/02/2022

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 0mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather advisory: Very light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be 29-32°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-83% and 27-37% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	30	29	30	32	29
T-Min(°C)	18	17	19	18	16
Cloud Cover(octa)	1	1	6	3	2
RH Max (%)	77	77	69	83	80
RH Min (%)	27	34	27	33	37
Wind Speed(Kmph)	6	10	9	7	10
Wind Direction(deg)	171	162	195	135	68

Agromet Advisory

General advisory: Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.

Pulses:

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. For control of Bihary hairy caterpillar and spodotera go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. Due to past and forecasted rain Need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from collar rot, stem rot and tikka disease. Due to humid and cloudy weather 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 meet the deficiency of Sulfar applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control white rust disease in mustard, spray Copper oxychloride @ 3g per litre of water. **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:

Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenofos @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. 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:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development. 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.-269
Date- 08/02/2022

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 1mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather advisory: *Very light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block.* The day temperature will be 29-31°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-79% and 18-35% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	30	29	31	31	29
T-Min(°C)	17	17	19	18	17
Cloud Cover(octa)	1	1	6	3	2
RH Max (%)	78	79	67	72	72
RH Min (%)	18	31	25	32	35
Wind Speed (Kmph)	6	10	9	8	9
Wind Direction (deg)	169	162	195	23	45

Agromet Advisory

General advisory: *Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.*

Pulses:

In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. **Due to past and forecasted rain** Need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from **collar rot, stem rot and tikka disease**. **Due to humid and cloudy weather** 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 meet the deficiency of Sulfur applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **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:

Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenofos @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. 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:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** 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.-269
Date- 08/02/2022

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 1mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather advisory: Very light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be 29-31°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-79% and 17-34% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	30	29	31	31	29
T-Min(°C)	17	17	19	18	17
Cloud Cover(octa)	1	1	6	3	2
RH Max (%)	79	79	66	72	72
RH Min (%)	17	30	25	32	34
Wind Speed (Kmph)	6	10	9	8	9
Wind Direction (deg)	180	162	195	23	45

Agromet Advisory

General advisory: Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.

Pulses:

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. For control of Bihary hairy caterpillar and spodotera go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. Due to past and forecasted rain Need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from collar rot, stem rot and tikka disease. Due to humid and cloudy weather 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 meet the deficiency of Sulfur applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control white rust disease in mustard, spray Copper oxychloride @ 3g per litre of water. 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:

Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenofos @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. 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:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development. 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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AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

Bulletin No.-269
Date- 08/02/2022

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

The block received average 3.4mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and **15.8°C (-0.72°C from normal)**, respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather advisory: Light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be 29-31°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-76% and 39-47% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	6	0	0
T-Max(°C)	30	29	31	31	29
T-Min(°C)	17	17	19	18	17
Cloud Cover(octa)	1	1	6	3	2
RH Max (%)	76	73	70	76	73
RH Min (%)	44	41	34	39	47
Wind Speed (Kmph)	8	11	9	10	13
Wind Direction (deg)	165	161	158	109	101

Agromet Advisory

General advisory: Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light to light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.

Pulses:

In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. **For control of Bihary hairy caterpillar and spodotera** go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. **Due to past and forecasted rain** Need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from **collar rot, stem rot and tikka disease**. **Due to humid and cloudy weather** 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: To meet the deficiency of Sulfur applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control **white rust disease** in mustard, spray Copper oxychloride @ 3g per litre of water. **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: **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. 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:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, **needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development.** 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.-269
 Date- 08/02/2022

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 0mm and district received average 0.64 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29.7°C (-0.81°C from normal) and 15.8°C (-0.72°C from normal), respectively. Mean relative humidity of the district was around 53-85%.

Forecasted period: Today(8.30IST) to 13th February (8.30IST)2022

Weather advisory: Very light rainfall is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be 29-31°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-88% and 14-37% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	08/02/2022	09/02/2022	10/02/2022	11/02/2022	12/02/2022
Rainfall(mm)	0	0	4	0	0
T-Max(°C)	30	30	31	31	29
T-Min(°C)	16	17	18	18	17
Cloud Cover(octa)	1	1	6	3	2
RH Max (%)	88	82	65	84	78
RH Min (%)	14	28	26	33	37
Wind Speed (Kmph)	6	11	6	6	6
Wind Direction (deg)	158	158	203	68	75

Agro met Advisory

General advisory: Farmers should undertake field preparation for cultivation of different summer vegetables like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc.; if seedlings are already raised in polythene bags; transplant in main field @ 2-3 seedlings per pit. As there will be very light rainfall condition in Cuttack district is forecasted for Thursday farmers should stop irrigation, fertiliser and pesticide application in the field on that day.

Pulses:

In green gram/black gram, chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy 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:

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. For control of Bihary hairy caterpillar and spodotera go for spraying of fipronil 5% SL 400ml (or) indoxacarb 14.5% SC 80gm or neem oil 1000ml @ 200 liter of water per acre. Due to past and forecasted rain Need based spraying and drenching with (carbendazim + mancozeb) or (metalaxyl + mancozeb) @ 2gm/lit of water to protect the crop from collar rot, stem rot and tikka disease. Due to humid and cloudy weather 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 meet the deficiency of Sulfur applies 200 gram sulfur per acre. **Powdery Mildew:** Spray Sulfex 2 gram/lit. To control white rust disease in mustard, spray Copper oxychloride @ 3g per litre of water. **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:

Thrips and mites are prominent pests in vegetables at present. To control both, spray Bifenthrin @1g/litre or Profenofos @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. 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:** 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:** Do inter culture and hand weeding may be carried out at 45-50 DAT and application of 30-kg of urea and 15-kg of MOP fertilizer should be done at this stage. Onion being a shallow rooted crop, needs frequent light irrigation to maintain optimum soil moisture for proper growth and bulb development. 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.

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 (Nodal officer)



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Bulletin No.-269
Date- 08/02/2022

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

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

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