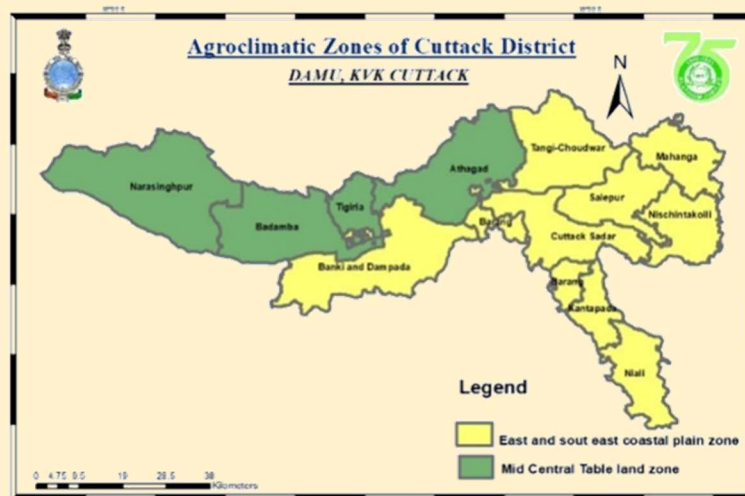




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday, 10th January, 2023
(For the period 10th to 14th January, 2023)*



*Issued by
District Agromet Unit,
KrishiVigyan Kendra Cuttack*





GRAMIN KRISHI MAUSAM SEWA
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DISTRICT AGROMET UNIT
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Bulletin No.-364
Date- 10/01/2023

STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p>Standardised Precipitation Index for the period 08th December 2022 to 4th January 2023</p> <p>MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p>STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 08 DEC 2022 TO 04 JAN 2023</p> <p>SPI VALUES</p> <ul style="list-style-type: none"> <= -2 (Extremely Dry) -1.50 to -1.00 (Moderately Dry) -1.00 to -0.50 (Moderately Dry) 0 to -0.50 (Moderately Dry) 0 to 0.50 (Moderately Wet) 0.50 to 1.00 (Moderately Wet) 1.00 to 1.50 (Moderately Wet) >= 2 (Extremely Wet) No Data 	<p>NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 01 (31.12.2022 to 07.01.2023) over Agricultural region</p> <p align="center">Odisha</p> <p>Legend:</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 good over isolated places of the state.</p>
<p>As per SPI value (cumulative 4weeks -08 December2022 to 4 January 2023), mildly wet condition was there in Cuttack district.</p>	<p>According to NDVI map (31.12.2022 to 07.01.2023) the agriculture vigor was light over maximum eastern blocks and light to moderate western blocks 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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
 SMS (Agrometeorology)
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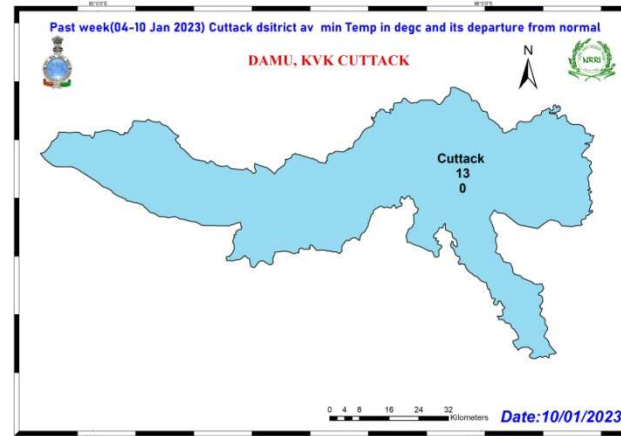
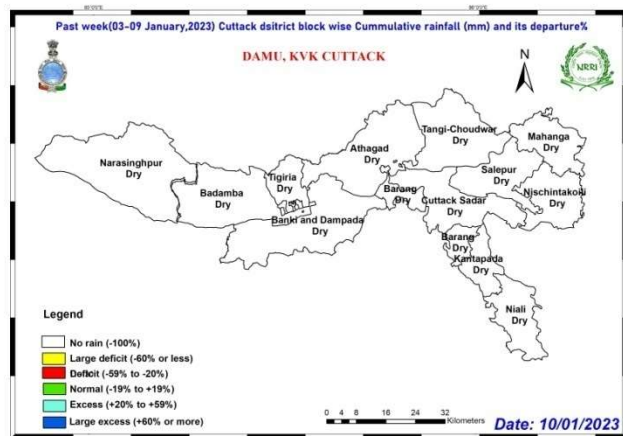


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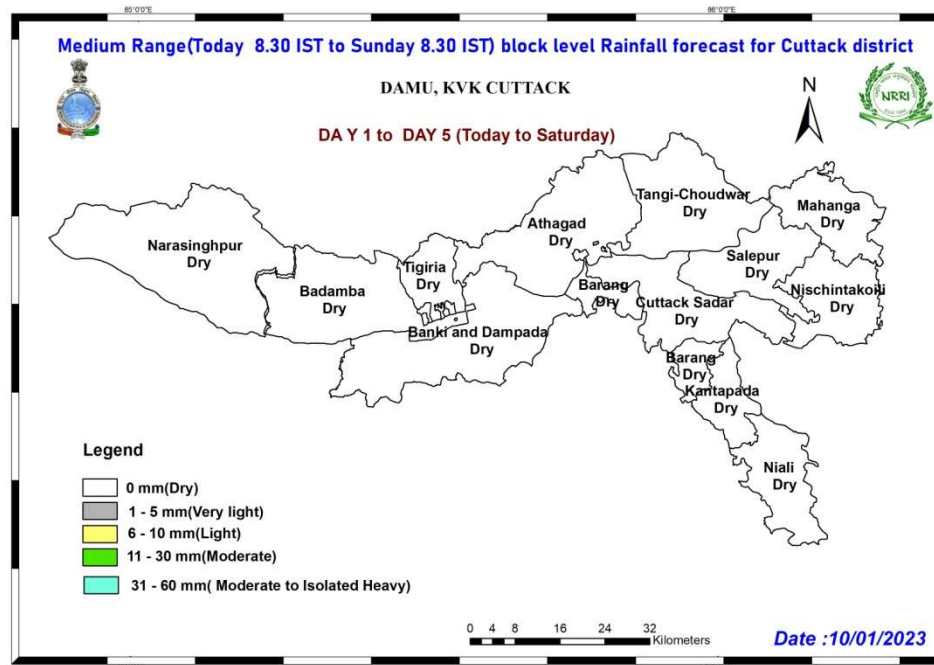


Bulletin No.-364
Date- 10/01/2023

Past week (03– 09 Jan, 2023) cumulative rainfall departure% from normal and (04 – 10 Jan, 2023) 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.-364
Date- 10/01/2023

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		Aphid
				Black headed caterpillar
				White fly
				YMV
2	Mustard	Vegetative stage to flowering		Aphid
				Saw fly
				Leaf webber
				Stink Bug
3	Rabi Groundnut	Vegetative stage to flowering		Tikka disease
				Aphid and Mites
				Bihary hairy Caterpillar
				Spodotera
4	Vegetables (Tomato, Chilli, Brinjal)	Vegetative to fruiting		Thrips
				Mites
				Chili Aphid

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(Nodal officer)



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6	Tomato	Flowering to Fruting		Leaf Curl virus
7	Potato	Sprouting/Vegetative stage		Leaf Blight
				Aphid
8	Cole crops (Cauliflower and cabbage)	Vegetative to fruiting		Leaf eating caterpillar
				Aphid
				Fruit borer
				Diamond back moth
				Tobacco Caterpillar

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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 30-32°C and night temperature will be 10-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-92% and 18-24% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	30	31	30	31	32
T-Min (°C)	10	12	14	14	14
Cloud Cover (octa)	0	0	0	0	0
RH Max (%)	86	86	88	92	89
RH Min (%)	18	21	24	24	19
Wind Speed (kmph)	6	4	6	7	7
Wind Direction (deg)	11	158	203	200	293

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Lukewarm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with polythene in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamiprid @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids 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. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidacloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 30-32°C and night temperature will be 12-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-92% and 17-23% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	30	31	32
T-Min(°C)	12	13	14	14	15
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	77	90	88	92	82
RH Min (%)	17	19	23	22	17
Wind Speed (Kmph)	5	4	6	6	6
Wind Direction (deg)	11	161	206	195	270

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Luke warm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with ploythine in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids 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. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather 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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 29-31°C and night temperature will be 12-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-91% and 17-25% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	30	29	30	31
T-Min(°C)	12	13	15	15	15
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	85	87	88	91	87
RH Min (%)	17	21	25	25	20
Wind Speed (Kmph)	5	5	7	8	7
Wind Direction (deg)	360	158	206	200	236

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Luke warm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with plothine in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

Pulses:

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Rabi-Groundnut:

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- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather Advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 29-31°C and night temperature will be 12-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-91% and 18-25% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	29	30	31
T-Min(°C)	12	13	15	15	15
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	86	87	88	91	87
RH Min (%)	18	21	25	25	20
Wind Speed (Kmph)	5	5	7	8	8
Wind Direction (deg)	360	158	206	200	236

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Luke warm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with ploythine in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids 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. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weatheradvisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 30-31°C and night temperature will be 14-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-92% and 19-27% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	30	30	30	31
T-Min(°C)	14	15	16	17	17
Cloud Cover	0	0	0	0	0
RH Max (%)	87	83	89	92	92
RH Min (%)	19	23	27	27	24
Wind Speed (Kmph)	6	5	8	9	9
Wind Direction (deg)	360	68	225	206	225

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Luke warm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with plothine in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids 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. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 30-32°C and night temperature will be 14-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-93% and 20-26% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	30	30	31	32
T-Min(°C)	14	15	16	17	17
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	86	83	88	92	93
RH Min (%)	20	22	26	25	21
Wind Speed (Kmph)	6	5	7	8	8
Wind Direction (deg)	23	75	203	206	225

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Luke warm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with polythene in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids 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. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 29-31°C and night temperature will be 16-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-91% and 21-31% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	30	29	30	31
T-Min(°C)	16	16	17	17	17
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	87	80	89	91	91
RH Min (%)	21	24	29	31	28
Wind Speed (Kmph)	7	5	8	10	10
Wind Direction (deg)	360	113	225	207	210

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Luke warm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with ploythine in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 **white fly**, **aphid** and **powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and **Whitefly** 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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids** 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. To manage **tikka disease** in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** and **stink bug** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly** and **leaf Webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. **Leaf eating caterpillar** and **fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be and it will be 29-32°C and night temperature will be 16-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-92% and 22-27% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	30	31	32
T-Min(°C)	16	17	17	17	17
Cloud Cover(octal)	0	0	0	0	0
RH Max (%)	78	75	86	91	92
RH Min (%)	22	22	27	27	24
Wind Speed (Kmph)	7	6	7	9	9
Wind Direction (deg)	23	75	225	206	225

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Luke warm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with ploythine in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids 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. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard saw fly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 30-32°C and night temperature will be 12-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-92% and 14-20% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	30	32	31
T-Min(°C)	12	13	13	14	15
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	59	91	89	92	76
RH Min (%)	16	16	20	19	14
Wind Speed (Kmph)	4	3	4	4	4
Wind Direction (deg)	11	158	206	203	315

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Luke warm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with ploythine in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids 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. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 29-30°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-91% and 22-35% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	29	30	30
T-Min(°C)	17	18	18	19	19
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	86	80	88	90	91
RH Min (%)	22	27	32	35	33
Wind Speed(Kmph)	7	6	8	10	11
Wind Direction(deg)	11	113	180	206	205

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Luke warm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with polythene in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids 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. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.

• **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting.

• **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

• **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 29-32°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-92% and 22-28% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	30	29	31	32
T-Min(°C)	16	17	18	18	18
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	80	77	87	91	92
RH Min (%)	22	22	28	28	25
Wind Speed (Kmph)	7	6	8	9	9
Wind Direction (deg)	23	75	225	206	248

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and lukewarm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with polythene in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids 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. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard saw fly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @600ml/acre and Emamectin benzoate @70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 29-32°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-92% and 22-28% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	30	30	31	32
T-Min(°C)	16	17	18	18	18
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	81	78	87	91	92
RH Min (%)	22	22	28	28	24
Wind Speed (Kmph)	7	6	8	9	9
Wind Direction (deg)	23	75	225	206	225

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Luke warm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with ploythine in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 **white fly**, **aphid** and **powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and **Whitefly** 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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids** 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. To manage **tikka disease** in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** and **stink bug** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly** and **leaf Webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. **Leaf eating caterpillar** and **fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 28-30°C and night temperature will be 16-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-90% and 31-42% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	28	29	30
T-Min(°C)	16	17	17	17	17
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	73	78	84	86	90
RH Min (%)	32	31	35	42	42
Wind Speed (Kmph)	9	8	9	11	13
Wind Direction (deg)	105	117	158	225	208

Agromet Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Luke warm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with ploythine in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 **white fly**, **aphid** and **powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and **Whitefly** 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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids** 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. To manage **tikka disease** in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** and **stink bug** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly** and **leaf Webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. **Leaf eating caterpillar** and **fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

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 27.5°C (-0.5 from normal) and 13.4°C (-0.38 from normal), respectively. The mean relative humidity was 62-69%.

Forecasted period: Today(8.30IST) to 15th January (8.30IST)2023

Weather advisory: Dry weather is forecasted for upcoming 5 days in the block. The day temperature will be 30-32°C and night temperature will be 10-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-92% and 17-23% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	30	31	32
T-Min(°C)	10	12	14	14	14
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	84	88	87	92	85
RH Min (%)	17	20	23	23	18
Wind Speed (Kmph)	5	4	6	6	6
Wind Direction (deg)	11	153	203	195	210

Agro met Advisory

General Advisory: Due to coldness, to avoid germination, the seeds are to be presoaked and Luke warm water to be sprinkled to the soaked seeds. As temperature will remain low, special care should be taken for nursery raising. Sowing should be completed soon. Cover the nursery bed with FYM & paddy straw/banana leaves after sowing. Cover the vegetable nursery beds with polythene in night and uncover that in day. Irrigate the field regularly to maintain the soil temperature.

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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @0.2gm/ltr.

Rabi-Groundnut:

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids 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. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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.

Mustard:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid and stink bug infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids and stink bugs chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage Mustard sawfly and leaf Webber spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

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 is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. Current weather is favourable for attack of Cabbage webber and tobacco caterpillar in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @600ml/acre and Emamectin benzoate @70g/acre in 200 lit water. Leaf eating caterpillar and fruit borer may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectin benzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by diamond back moth. To control this apply Spinosad 45SC @ 0.5ml/l.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting.
- **Potato:** There are chances of Leaf Blight disease incidence in potato crop. To manage early leaf blight in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage late blight in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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(Nodal officer)



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Bulletin No.-364
Date- 10/01/2023

				
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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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