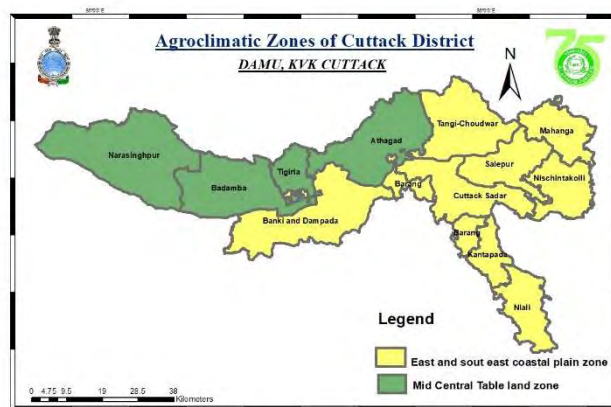
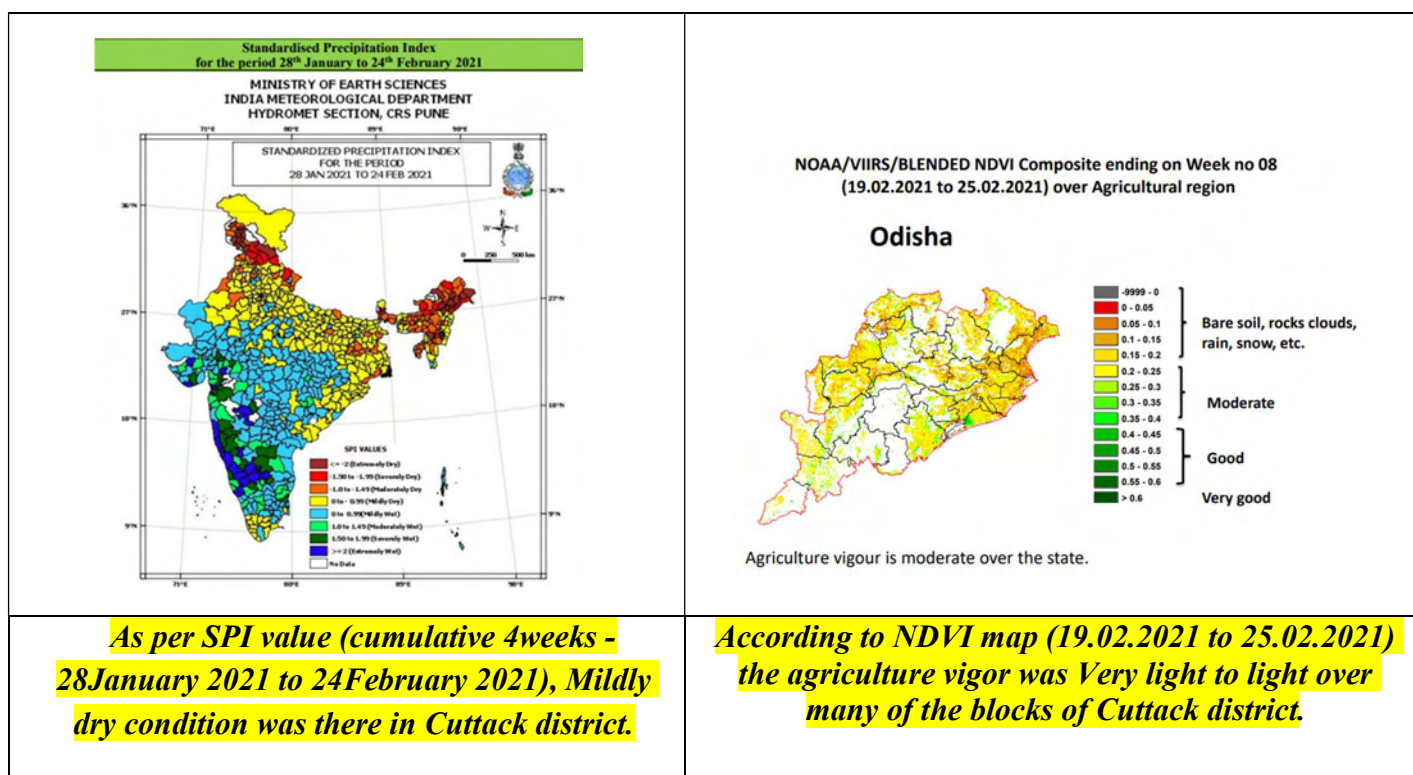


AGROCLIMATIC ZONES OF CUTTACK DISTRICT:

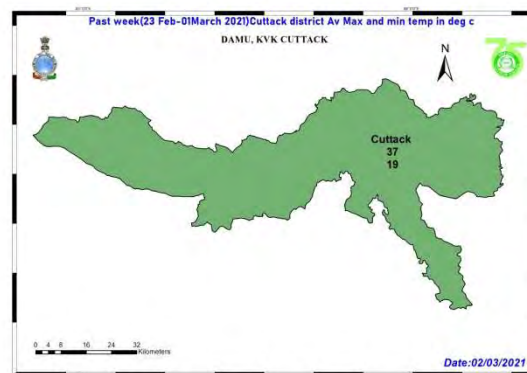
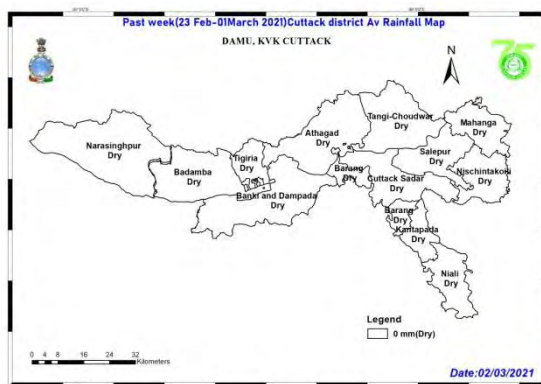


STANDARD PRECIPITATION INDEX AND NDVI MAP

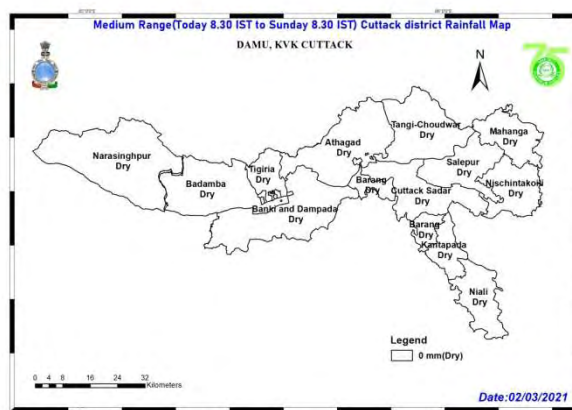


LEGEND (Medium range block level rainfall forecast)	
	No Rainfall
	Very light rainfall
	Light rainfall
	Light to moderate rainfall
	Moderate to heavy rainfall
	Heavy rainfall
	Very heavy rainfall
	Extremely heavy rainfall

Past week (23Feb-01 March 2021) Cuttack district Rainfall and Temperature map



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

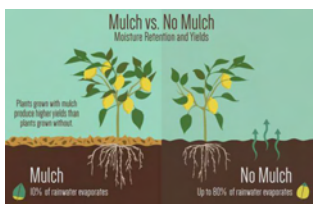


Extended range outlook for subsequent 1 week (6 th to 12 th days) (07 th March to 13 th March 2021)		
Met Sub division	Departure (%)	Category
Odisha	-98.01	Below Normal




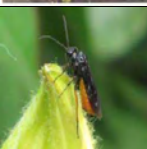







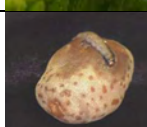
General Agromet Advisory:- As there was mild dry condition in last four weeks at Cuttack district and also there will be below normal rainfall in upcoming week (07th March-13th March, 2021) in Odisha condition, so farmers are advised to continue their irrigation activities based upon soil moisture status.

General agromet advisory for prevailing hot weather condition in Cuttack district

- Apply light and frequent irrigation to the standing crops.
- Increase the frequency of irrigation at critical growth stages.
- Mulch with crop residue, straw, /polythene or undertake soil mulching to conserve soil moisture.
- Irrigate only during the evening or early morning.
- Use sprinkler irrigation.
- Mulching of leaves around newly planted cashewnut plants to conserve moisture.
- **Animal Husbandry**
- Keep animals in shade and give them plenty of clean and cold water to drink.
- Do not make them work between 11 am to 4 pm.
- Cover the shed roof with straw, paint it white or plaster with dung-mud to reduce temperature.
- Use fans, water spray and foggers in the shed.
- During extreme heat, spray water and take cattle to a water body to cool off.
- Give them green grass, protein-fat bypass supplement, mineral mixture and salt. Make them graze during cooler hours.
- Provide curtains and proper ventilation in poultry house.
- Avoid grazing / feeding of cattle during noon hours.



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)	Flowering to pod development		Anthracnose
				Cercospora leaf spot
				YMV
2	Mustard	Flowering to maturity		Saw Fly
				Leaf webber
3	Rabi Groundnut	Flowering to maturity		Spodoptera/Tobacco caterpillar
6	Tomato	Flowering to Fruting		Bacterial Canker
				Sun burn
				Flower drop
				Bacterial wilt
7	Potato	Flowering to fruiting stage		Potato tuber moth
				Cut worm



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Bulletin No.-172
Date- 02/03/2021

8	Onion	Flowering		Purple blight
				Stemphylium Blight
10	Mango	Flowering		Mango hopper
				Thrips

Dr Sujata Sethy
(Nodal officer)



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APP for Lightning alert in your area**



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Bulletin No.-172
Date- 02/03/2021

AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07thMarch (8.30IST)2021

Weather advisory: No rainfall/dry weather is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 36-37°C and night temperature will be 19-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-95% and 07-10% respectively. There will be mainly clear sky for next 5days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	37	36	36	37	37
T-Min (°C)	21	20	20	19	21
Cloud Cover (octa)	0	0	0	0	0
RH Max (%)	90	81	77	85	95
RH Min (%)	8	9	10	8	7
Wind Speed (kmph)	9	6	12	12	9
Wind Direction (deg)	333	203	212	216	203

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. Irrigation should be continue as there was dry spell prevailed. As maximum temperature will be likely to above 35°C, so farmers should cover the soil with white mulch/polithine to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercosera leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 litr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

Mustard: Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

• present weather may favour the infestation of **saw fly, leaf Webber**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre in 200 litr water.

Vegetables: 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.

Tomato: Transplanted seedlings are at 6-8 week stage in main field. Due to water stress, deficiency of boron or due to hormonal disbalance **flower drop occurs**. Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. Due to increase in temperature there may be chances of **bacterial canker and Sun burn** disease in tomato at fruiting stage. To control bacterial canker Farmers should spray Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. They should use shade net to protect the crop from sun burn. **Bacterial wilt** may be reported in tomato field, to control it drenching with copper oxychloride @ 3g+ plantomycin @1 g/ litre 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 **cut worm** in potato crop spray Chlorpyrifos 50% + Cypermethrin 5 % E.C (Lethal-505/Super D) @ 400 ml/acre by mixing it in 200 litre of water.

• **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**. There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval. **Cucuthits:** The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm@5ml/litre of water at initial stages and at later stages spray Acephate@1g/litre of water.

Fruits: 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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @1.5 g/litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

• **Mushroom:** Initiate cultivation of paddy straw mushroom. As hot weather condition is prevailed in Cuttack district, Spray water if the mushrooms are at fruiting stage. Cover the Mushroom unit with water soaked Gunny bags to maintain the inside temperature.

Animal husbandry: Provide sufficient clean drinking water to animals and birds. Don't allow them graze during noon hours.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-172
Date- 02/03/2021

AGROMET ADVISORY BULLETIN FOR BADAMBA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weatheradvisory: No rainfall/dry weather is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 36-38°C and night temperature will be 18-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-93% and 06-09% respectively. There will be mainly clear sky for next 5days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	37	36	37	38
T-Min(°C)	20	20	19	18	19
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	77	65	65	76	93
RH Min (%)	8	8	9	8	6
Wind Speed (Kmph)	8	5	10	10	7
Wind Direction (deg)	304	198	234	225	23

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. Irrigation should be continue as there was dry spell prevailed. As maximum temperature will be likely to above 35°C, so farmers should cover the soil with white mulch/polithine to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercosera leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

Mustard: Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

• present weather may favour the infestation of **saw fly, leaf Webber**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre in 200 litre water.

Vegetables: 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.**

Tomato: Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. Due to increase in temperature there may be chances of **bacterial canker and Sun burn** disease in tomato at fruiting stage. To control bacterial canker Farmers should spray Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. They should use shade net to protect the crop from sun burn. **Bacterial wilt** may be reported in tomato field, to control it drenching with copper oxychloride @ 3g+ plantomycin @1 g/ litre 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 **cut worm** in potato crop spray Chlorpyrifos 50% + Cypermethrin 5 % E.C (Lethal-505/Super D) @ 400 ml/acre by mixing it in 200 litre of water.

• **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.** There are chances of **purple blotch and Stemphylium blight** disease incidence in onion crop. To manage purple blotch and Stemphylium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits: The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm @5ml/litre of water at initial stages and at later stages spray Acephate @1g/litre of water.

Fruits: 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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @1.5 g /litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

• **Mushroom:** Initiate cultivation of paddy straw mushroom. As hot weather condition is prevailed in Cuttack district, Spray water if the mushrooms are at fruiting stage. Cover the Mushroom unit with water soaked Gunny bags to maintain the inside temperature.

Animal husbandry: Provide sufficient clean drinking water to animals and birds. Don't allow them graze during noon hours.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-172
Date- 02/03/2021

AGROMET ADVISORY BULLETIN FORBANKI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weatheradvisory:No rainfall/dry weather is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 36-37°C and night temperature will be 19-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-93% and 08-11% respectively. There will be mainly clear sky for next 5days.

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	37	36	37	37
T-Min(°C)	20	20	20	19	20
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	87	76	72	81	93
RH Min (%)	8	8	11	9	9
Wind Speed (Kmph)	9	7	12	13	10
Wind Direction (deg)	203	203	214	203	203

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. Irrigation should be continue as there was dry spell prevailed. As maximum temperature will be likely to above 35°C, so farmers should cover the soil with white mulch/polithine to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercopsra leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 litr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

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• **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.** There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval. **Cucutbits:** The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm@5ml/litre of water at initial stages and at later stages spray Acephate@1g/litre of water. **Fruits: 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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @1.5 g /litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

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Bulletin No.-172
Date- 02/03/2021

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weather Advisory: No rainfall/dry weather is forecasted for upcoming 5 days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 36-37°C and night temperature will be 19-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-93% and 08-11% respectively. There will be mainly clear sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	37	36	37	37
T-Min(°C)	20	20	20	19	20
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	88	77	73	81	93
RH Min (%)	8	8	11	9	9
Wind Speed (Kmph)	9	7	13	13	10
Wind Direction (deg)	203	203	206	205	203

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. Irrigation should be continue as there was dry spell prevailed. As maximum temperature will be likely to above 35°C, so farmers should cover the soil with white mulch/polithine to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercopsra leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 litr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

Mustard: Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

• present weather may favour the infestation of **saw fly, leaf Webber**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre in 200 litr water.

Vegetables: 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.**

Tomato: Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. Due to increase in temperature there may be chances of **bacterial canker and Sun burn** disease in tomato at fruiting stage. To control bacterial canker Farmers should spray Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. They should use shade net to protect the crop from sun burn. **Bacterial wilt** may be reported in tomato field, to control it drenching with copper oxychloride @ 3g+ plantomycin @1 g/ litre 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 **cut worm** in potato crop spray Chlorpyrifos 50% + Cypermethrin 5 % E.C (Lethal-505/Super D) @ 400 ml/acre by mixing it in 200 litre of water.

• **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.** There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval. **Cucutbits:** The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm@5ml/litre of water at initial stages and at later stages spray Acephate@1g/litre of water.

Fruits: **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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @1.5 g /litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

• **Mushroom:** Initiate cultivation of paddy straw mushroom. As hot weather condition is prevailed in Cuttack district, Spray water if the mushrooms are at fruiting stage. Cover the Mushroom unit with water soaked Gunny bags to maintain the inside temperature.

Animal husbandry: Provide sufficient clean drinking water to animals and birds. Don't allow them graze during noon hours.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-172
Date- 02/03/2021

AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weather advisory: No rainfall/dry weather is forecasted for upcoming 5 days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 35-37°C and night temperature will be 20-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-95% and 09-14% respectively. There will be mainly clear sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	37	35	36	36
T-Min(°C)	21	21	21	20	21
Cloud Cover	1	0	0	0	0
RH Max (%)	93	88	83	86	95
RH Min (%)	9	11	13	11	14
Wind Speed (Kmph)	9	9	16	16	13
Wind Direction (deg)	203	203	203	204	203

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. Irrigation should be continue as there was dry spell prevailed. As maximum temperature will be likely to above 35°C, so farmers should cover the soil with white mulch/polithene to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercopsra leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 litr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

Mustard: Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

• present weather may favour the infestation of **saw fly, leaf Webber**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre in 200 litr water.

Vegetables: 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.**

Tomato: Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. Due to increase in temperature there may be chances of **bacterial canker and Sun burn** disease in tomato at fruiting stage. To control bacterial canker Farmers should spray Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. They should use shade net to protect the crop from sun burn. **Bacterial wilt** may be reported in tomato field, to control it drenching with copper oxychloride @ 3g+ plantomycin @1 g/ litre 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 **cut worm** in potato crop spray Chlorpyrifos 50% + Cypermethrin 5 % E.C (Lethal-505/Super D) @ 400 ml/acre by mixing it in 200 litre of water.

• **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.** There are chances of **purple blotch and Stemphylium blight** disease incidence in onion crop. To manage purple blotch and Stemphylium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval.

Cucutbits: The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm@5ml/litre of water at initial stages and at later stages spray Acephate@1g/litre of water.

Fruits: 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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @1.5 g /litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

• **Mushroom:** Initiate cultivation of paddy straw mushroom. As hot weather condition is prevailed in Cuttack district, Spray water if the mushrooms are at fruiting stage. Cover the Mushroom unit with water soaked Gunny bags to maintain the inside temperature.

Animal husbandry: Provide sufficient clean drinking water to animals and birds. Don't allow them graze during noon hours.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-172
Date- 02/03/2021

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR
District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weatheradvisory: No rainfall/dry weather is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 35-37°C and night temperature will be 20-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-95% and 08-12% respectively. There will be mainly clear sky for next 5days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	36	35	36	36
T-Min(°C)	21	21	20	20	21
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	93	87	84	88	95
RH Min (%)	8	10	12	9	9
Wind Speed (Kmph)	9	7	14	15	12
Wind Direction (deg)	198	203	204	207	205

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. Irrigation should be continue as there was dry spell prevailed. As maximum temperature will be likely to above 35°C, so farmers should cover the soil with white mulch/polithine to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercopsra leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 litr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

Mustard: Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

• present weather may favour the infestation of **saw fly, leaf Webber**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre in 200 litr water.

Vegetables: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.**

Tomato: Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. Due to increase in temperature there may be chances of **bacterial canker and Sun burn** disease in tomato at fruiting stage. To control bacterial canker Farmers should spray Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. They should use shade net to protect the crop from sun burn. **Bacterial wilt** may be reported in tomato field, to control it drenching with copper oxychloride @ 3g+ plantomycin @1 g/ litre 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 **cut worm** in potato crop spray Chlorpyrifos 50% + Cypermethrin 5 % E.C (Lethal-505/Super D) @ 400 ml/acre by mixing it in 200 litre of water.

• **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.** There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval. **Cucutbits:** The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm@5ml/litre of water at initial stages and at later stages spray Acephate@1g/litre of water.

Fruits: **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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @1.5 g/ litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

• **Mushroom:** Initiate cultivation of paddy straw mushroom. As hot weather condition is prevailed in Cuttack district, Spray water if the mushrooms are at fruiting stage. Cover the Mushroom unit with water soaked Gunny bags to maintain the inside temperature.

Animal husbandry: Provide sufficient clean drinking water to animals and birds. Don't allow them graze during noon hours.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-172
Date- 02/03/2021

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weather advisory: No rainfall/dry weather is forecasted for upcoming 5 days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 35-36°C and night temperature will be 21°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-94% and 15-24% respectively. There will be mainly clear sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	36	36	35	35	35
T-Min(°C)	21	21	21	21	21
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	93	90	85	85	94
RH Min (%)	16	15	17	16	24
Wind Speed (Kmph)	11	11	17	18	16
Wind Direction (deg)	203	203	203	203	203

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. Irrigation should be continue as there was dry spell prevailed. As maximum temperature will be likely to $\geq 35^{\circ}\text{C}$, so farmers should cover the soil with white mulch/polythene to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercosera leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

Mustard: Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

• present weather may favour the infestation of **saw fly, leaf Webber**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre in 200 litr water.

Vegetables: 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.**

Tomato: Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. Due to increase in temperature there may be chances of **bacterial canker and Sun burn** disease in tomato at fruiting stage. To control bacterial canker Farmers should spray Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. They should use shade net to protect the crop from sun burn. **Bacterial wilt** may be reported in tomato field, to control it drenching with copper oxychloride @ 3g+ plantomycin @1 g/ litre 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 **cut worm** in potato crop spray Chlorpyrifos 50% + Cypermethrin 5 % E.C (Lethal-505/Super D) @ 400 ml/acre by mixing it in 200 litre of water.

• **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.** There are chances of **purple blotch and Stemphylium blight** disease incidence in onion crop. To manage purple blotch and Stemphylium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval. **Cucutbits:** The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm @ 5ml/litre of water at initial stages and at later stages spray Acephate @ 1g/litre of water.

Fruits: 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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @ 1.5 g /litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

• **Mushroom:** Initiate cultivation of paddy straw mushroom. As hot weather condition is prevailed in Cuttack district, Spray water if the mushrooms are at fruiting stage. Cover the Mushroom unit with water soaked Gunny bags to maintain the inside temperature.

Animal husbandry: Provide sufficient clean drinking water to animals and birds. Don't allow them graze during noon hours.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-172
Date- 02/03/2021

AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weather advisory: No rainfall/dry weather is forecasted for upcoming 5 days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 36-37°C and night temperature will be 20-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-96% and 11-15% respectively. There will be mainly clear sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	36	36	37	36
T-Min(°C)	20	20	20	20	21
Cloud Cover(octal)	0	0	0	0	0
RH Max (%)	95	91	90	90	96
RH Min (%)	11	14	15	12	14
Wind Speed (Kmph)	9	9	16	17	13
Wind Direction (deg)	203	200	203	204	191

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. Irrigation should be continue as there was dry spell prevailed. As maximum temperature will be likely to above 35°C, so farmers should cover the soil with white mulch/polithene to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercosera leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

Mustard: Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

• present weather may favour the infestation of **saw fly, leaf Webber**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre in 200 litre water.

Vegetables: 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.**

Tomato: Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. Due to increase in temperature there may be chances of **bacterial canker and Sun burn** disease in tomato at fruiting stage. To control bacterial canker Farmers should spray Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. They should use shade net to protect the crop from sun burn. **Bacterial wilt** may be reported in tomato field, to control it drenching with copper oxychloride @ 3g+ plantomycin @1 g/ litre 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 **cut worm** in potato crop spray Chlorpyrifos 50% + Cypermethrin 5 % E.C (Lethal-505/Super D) @ 400 ml/acre by mixing it in 200 litre of water.

• **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.** There are chances of **purple blotch and Stemphylium blight** disease incidence in onion crop. To manage purple blotch and Stemphylium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits: The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm @ 5ml/litre of water at initial stages and at later stages spray Acephate @ 1g/litre of water.

Fruits: 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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @ 1.5 g /litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

• **Mushroom:** Initiate cultivation of paddy straw mushroom. As hot weather condition is prevailed in Cuttack district, Spray water if the mushrooms are at fruiting stage. Cover the Mushroom unit with water soaked Gunny bags to maintain the inside temperature.

Animal husbandry: Provide sufficient clean drinking water to animals and birds. Don't allow them graze during noon hours.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

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Bulletin No.-172
Date- 02/03/2021

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weather advisory: No rainfall/dry weather is forecasted for upcoming 5 days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 37-39°C and night temperature will be 17-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-82% and 06-09% respectively. There will be mainly clear sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	38	38	38	39
T-Min(°C)	18	18	18	17	17
Cloud Cover(/octa)	0	0	0	0	0
RH Max (%)	59	54	60	66	82
RH Min (%)	9	7	8	7	6
Wind Speed (Kmph)	7	4	6	7	5
Wind Direction (deg)	300	338	210	203	23

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. Irrigation should be continue as there was dry spell prevailed. As maximum temperature will be likely to above 35°C, so farmers should cover the soil with white mulch/polithene to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercosera leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

Mustard: Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

• present weather may favour the infestation of **saw fly, leaf Webber**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre in 200 litre water.

Vegetables: 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.**

Tomato: Transplanted seedlings are at 6-8 week stage in main field. **Due to water stress, deficiency of boron or due to hormonal disbalance flower drop occurs.** Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. Due to increase in temperature there may be chances of **bacterial canker and Sun burn** disease in tomato at fruiting stage. To control bacterial canker farmers should spray Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. They should use shade net to protect the crop from sun burn. **Bacterial wilt** may be reported in tomato field, to control it drenching with copper oxychloride @ 3g+ plantomycin @1 g/ litre 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 **cut worm** in potato crop spray Chlorpyrifos 50% + Cypermethrin 5 % E.C (Lethal-505/Super D) @ 400 ml/acre by mixing it in 200 litre of water.

• **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.** There are chances of **purple blotch and Stemphylium blight** disease incidence in onion crop. To manage purple blotch and Stemphylium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits: The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm @5ml/litre of water at initial stages and at later stages spray Acephate @1g/litre of water.

Fruits: 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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @1.5 g /litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

• **Mushroom:** Initiate cultivation of paddy straw mushroom. As hot weather condition is prevailed in Cuttack district, Spray water if the mushrooms are at fruiting stage. Cover the Mushroom unit with water soaked Gunny bags to maintain the inside temperature.

Animal husbandry: Provide sufficient clean drinking water to animals and birds. Don't allow them graze during noon hours.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-172

Date- 02/03/2021

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weather advisory: No rainfall/dry weather is forecasted for upcoming 5 days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 34-35°C and night temperature will be 21-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-93% and 20-30% respectively. There will be mainly clear sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	35	35	35	35	34
T-Min(°C)	21	22	22	22	22
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	92	90	84	84	93
RH Min (%)	23	20	21	21	30
Wind Speed(Kmph)	13	13	18	19	18
Wind Direction(deg)	203	204	203	204	203

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. Irrigation should be continue as there was dry spell prevailed. As maximum temperature will be likely to $\geq 35^{\circ}\text{C}$, so farmers should cover the soil with white mulch/polithine to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercopsra leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

Mustard: Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

• present weather may favour the infestation of **saw fly, leaf Webber**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre in 200 litre water.

Vegetables: 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.

Tomato: Transplanted seedlings are at 6-8 week stage in main field. Due to water stress, deficiency of boron or due to hormonal disbalance **flower drop occurs**. Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/litre during early flowering and 15 days later. Due to increase in temperature there may be chances of **bacterial canker and Sun burn** disease in tomato at fruiting stage. To control bacterial canker Farmers should spray Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. They should use shade net to protect the crop from sun burn. **Bacterial wilt** may be reported in tomato field, to control it drenching with copper oxychloride @ 3g+ plantomycin @ 1 g/ litre 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 **cut worm** in potato crop spray Chlorpyrifos 50% + Cypermethrin 5 % E.C (Lethal-505/Super D) @ 400 ml/acre by mixing it in 200 litre of water.

• **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**. There are chances of **purple blotch and Stemphylium blight** disease incidence in onion crop. To manage purple blotch and Stemphylium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval. **Cucutbits:** The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm @ 5ml/litre of water at initial stages and at later stages spray Acephate @ 1g/litre of water. **Fruits: 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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @ 1.5 g / litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

• **Mushroom:** Initiate cultivation of paddy straw mushroom. As hot weather condition is prevailed in Cuttack district, Spray water if the mushrooms are at fruiting stage. Cover the Mushroom unit with water soaked Gunny bags to maintain the inside temperature.

Animal husbandry: Provide sufficient clean drinking water to animals and birds. Don't allow them graze during noon hours.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-172

Date- 02/03/2021

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weather advisory: No rainfall/dry weather is forecasted for upcoming 5 days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 36-37°C and night temperature will be 20-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-96% and 13-17% respectively. There will be mainly clear sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	36	36	36	36
T-Min(°C)	21	21	20	20	21
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	94	91	89	88	96
RH Min (%)	14	14	16	13	17
Wind Speed (Kmph)	9	9	16	18	14
Wind Direction (deg)	195	200	203	204	203

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. Irrigation should be continue as there was dry spell prevailed. As maximum temperature will be likely to above 35°C, so farmers should cover the soil with white mulch/polithine to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercopsera leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

Mustard: Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

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Vegetables: 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.

Tomato: Transplanted seedlings are at 6-8 week stage in main field. Due to water stress, deficiency of boron or due to hormonal disbalance **flower drop occurs**. Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. Due to increase in temperature there may be chances of **bacterial canker and Sun burn** disease in tomato at fruiting stage. To control bacterial canker farmers should spray Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. They should use shade net to protect the crop from sun burn. **Bacterial wilt** may be reported in tomato field, to control it drenching with copper oxychloride @ 3g+ plantomycin @1 g/ litre 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 **cut worm** in potato crop spray Chlorpyrifos 50% + Cypermethrin 5 % E.C (Lethal-505/Super D) @ 400 ml/acre by mixing it in 200 litre of water.

• **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**. There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits: The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm @ 5ml/litre of water at initial stages and at later stages spray Acephate @ 1g/litre of water. **Fruits: 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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @ 1.5 g /litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

• **Mushroom:** Initiate cultivation of paddy straw mushroom. As hot weather condition is prevailed in Cuttack district, Spray water if the mushrooms are at fruiting stage. Cover the Mushroom unit with water soaked Gunny bags to maintain the inside temperature.

Animal husbandry: Provide sufficient clean drinking water to animals and birds. Don't allow them graze during noon hours.

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Bulletin No.-172

Date- 02/03/2021

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weather advisory: No rainfall/dry weather is forecasted for upcoming 5 days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 36-37°C and night temperature will be 20-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-96% and 12-15% respectively. There will be mainly clear sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	36	36	36	36
T-Min(°C)	21	21	20	20	21
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	94	91	89	88	96
RH Min (%)	12	14	15	12	15
Wind Speed (Kmph)	9	9	16	17	14
Wind Direction (deg)	203	200	203	204	203

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. Irrigation should be continued as there was dry spell prevailed. As maximum temperature will be likely to above 35°C, so farmers should cover the soil with white mulch/polithine to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercopsera leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

Mustard: Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

• present weather may favour the infestation of **saw fly, leaf Webber**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenprox or Deltamethrin per acre in 200 litre water.

Vegetables: 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.

Tomato: Transplanted seedlings are at 6-8 week stage in main field. Due to water stress, deficiency of boron or due to hormonal disbalance **flower drop occurs**. Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. Due to increase in temperature there may be chances of **bacterial canker and Sun burn** disease in tomato at fruiting stage. To control bacterial canker farmers should spray Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. They should use shade net to protect the crop from sun burn. **Bacterial wilt** may be reported in tomato field, to control it drenching with copper oxychloride @ 3g+ plantomycin @1 g/ litre 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 **cut worm** in potato crop spray Chlorpyrifos 50% + Cypermethrin 5 % E.C (Lethal-505/Super D) @ 400 ml/acre by mixing it in 200 litre of water.

• **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**. There are chances of **purple blotch and Stemphylium blight** disease incidence in onion crop. To manage purple blotch and Stemphylium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenoconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval.

Cucurbits: The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm @ 5ml/litre of water at initial stages and at later stages spray Acephate @ 1g/litre of water. **Fruits: 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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @ 1.5 g /litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

• **Mushroom:** Initiate cultivation of paddy straw mushroom. As hot weather condition is prevailed in Cuttack district, Spray water if the mushrooms are at fruiting stage. Cover the Mushroom unit with water soaked Gunny bags to maintain the inside temperature.

Animal husbandry: Provide sufficient clean drinking water to animals and birds. Don't allow them graze during noon hours.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-172
Date- 02/03/2021

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR
District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weather advisory: No rainfall/dry weather is forecasted for upcoming 5 days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 36-37°C and night temperature will be 20-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-92% and 32-42% respectively. There will be mainly clear sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	36	36	36	36
T-Min(°C)	21	21	20	20	21
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	91	89	83	79	92
RH Min (%)	42	36	33	32	42
Wind Speed (Kmph)	16	15	20	22	20
Wind Direction (deg)	191	203	203	204	203

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. Irrigation should be continue as there was dry spell prevailed. As maximum temperature will be likely to above 35°C, so farmers should cover the soil with white mulch/polithine to conserve the soil moisture.

Pulses: November to December sown crop is at pod formation to seed development (nine to twelve week) stage.

In case of **YMV infestation** uproots and destroys the infected plant and spray imidacloprid 50ml/acre mixing with 200 lit of water. There may be chances of infestation of **Anthraxnose and Cercopsera leaf spot** in Pulses. To manage these spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre in 200 ltr water.

Rabi-Groundnut: Do not disturb the soil after flower initiation in groundnut. Do irrigation in the field based upon soil moisture. Due to abrupt rise and fall in temperature, there is possibility of attack of **Tobacco caterpillar** (Spodoptera litura). The forecasted weather is also favourable for its proliferation. This is a polyphagous pest. So following integrated approach should be started. Use Pheromone trap using Spodo lure to monitor adult population of the insect. In case of appearance of the caterpillar, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field.

Mustard: Rainfed mustard sown during October is at maturity stage. Go for harvesting and dry the plants under sun for easy threshing and safe storage.

• present weather may favour the infestation of **saw fly, leaf Webber**. To control saw fly, spray 400ml Endosulphan/acre, to control leaf webber spray 200 ml Ithofenpro or Deltamethrin per acre in 200 ltr water.

Vegetables: 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.

Tomato: Transplanted seedlings are at 6-8 week stage in main field. Due to water stress, deficiency of boron or due to hormonal disbalance **flower drop occurs**. Control: Apply timely and required amount of irrigation. Spray Boron 20% 2 gram/lit during early flowering and 15 days later. Due to increase in temperature there may be chances of **bacterial canker and Sun burn** disease in tomato at fruiting stage. To control bacterial canker Farmers should spray Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. They should use shade net to protect the crop from sun burn. **Bacterial wilt** may be reported in tomato field, to control it drenching with copper oxychloride @ 3g+ plantomycin @1 g/ litre 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 **cut worm** in potato crop spray Chlorpyrifos 50% + Cypermethrin 5 % E.C (Lethal-505/Super D) @ 400 ml/acre by mixing it in 200 litre of water.

• **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**. There are chances of **purple blotch and Stemphyllium blight** disease incidence in onion crop. To manage purple blotch and Stemphyllium leaf blight disease in onion spray Mancozeb 75% WP @ 600gram/acre or Difenconazole 25% E.C @ 200ml/acre or Tebuconazole 25.9% E.C @ 100ml/acre by mixing in 200 litre of water at 15 days interval. **Cucutbits:** The current weather is favorable for attack of **red pumpkin beetle** in Cucumber & Bitter gourd. To control it spray Neem based pesticide 300ppm @ 5ml/litre of water at initial stages and at later stages spray Acephate @ 1g/litre of water.

Fruits: 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. Spray Alpha Naphthyl Acetic Acid 4.5% SL @ 4.5 ml in 10 litre of water when tender fruits are in pea size. With the help of ring method of irrigation apply 25 kg FYM, 500 gram of urea and 1 kg of potash and phosphate at each tree. For **thrips** control, spraying of Acephate @ 1.5 g /litre of water is advocated. **Cashew:** Prevailing conditions are suitable for the incidence of Tea mosquito bug. Farmers are advised to go for spraying of Neem oil @ 5ml/L + Monocrotophos @ 1.6ml/L at new blush stage and Chlorpyrifos @ 2ml/L at flowering stage.

• **Mushroom:** Initiate cultivation of paddy straw mushroom. As hot weather condition is prevailed in Cuttack district, Spray water if the mushrooms are at fruiting stage. Cover the Mushroom unit with water soaked Gunny bags to maintain the inside temperature.

Animal husbandry: Provide sufficient clean drinking water to animals and birds. Don't allow them graze during noon hours.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-172

Date- 02/03/2021

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 19°C, respectively. Mean relative humidity of the district was around 64-39%.

Forecasted period: Today(8.30IST) to 07th March (8.30IST)2021

Weather advisory: No rainfall/dry weather is forecasted for upcoming 5 days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 36-38°C and night temperature will be 19-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-95% and 06-09% respectively. There will be mainly clear sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/03/2021	04/03/2021	05/03/2021	06/03/2021	07/03/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	38	37	36	37	38
T-Min(°C)	20	20	20	19	20
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	86	76	72	82	95
RH Min (%)	8	8	9	8	6
Wind Speed (Kmph)	8	5	10	11	8
Wind Direction (deg)	333	198	234	225	203

Agromet Advisory

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Bulletin No.-172
Date- 02/03/2021

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

- 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.

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