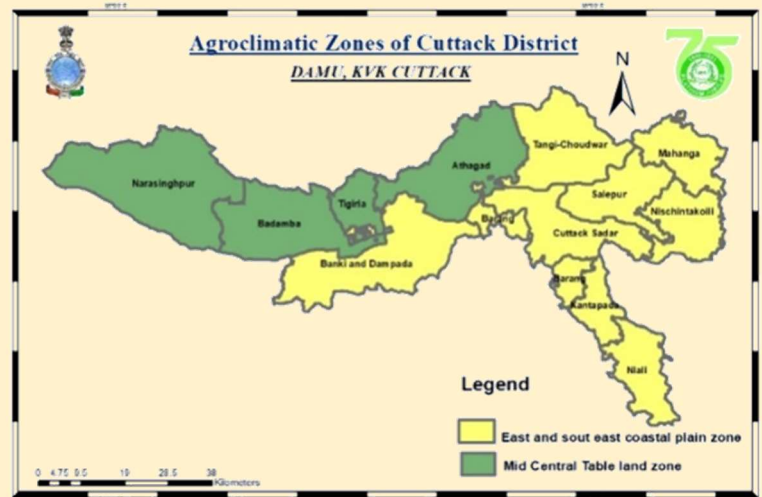




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday, 15th October, 2024
 (For the period 15th to 19th October,
 2024)*



*Issued by
 District Agro-met Unit,
 KrishiVigyan Kendra Cuttack*





STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<div style="text-align: center;"> <p>MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p>STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 05 SEPTEMBER TO 02 OCTOBER 2024</p> <p>SPI VALUES</p> <ul style="list-style-type: none"> 0.00 to 0.05 (Standardly Dry) 0% to 5% Rain 0.05 to 0.10 (Standardly Dry) 5% to 10% Rain 0.10 to 0.15 (Standardly Dry) 10% to 15% Rain 0.15 to 0.20 (Standardly Dry) 15% to 20% Rain 0.20 to 0.25 (Standardly Dry) 20% to 25% Rain 0.25 to 0.30 (Standardly Dry) 25% to 30% Rain 0.30 to 0.35 (Standardly Dry) 30% to 35% Rain 0.35 to 0.40 (Standardly Dry) 35% to 40% Rain 0.40 to 0.45 (Standardly Dry) 40% to 45% Rain 0.45 to 0.50 (Standardly Dry) 45% to 50% Rain 0.50 to 0.55 (Standardly Dry) 50% to 55% Rain 0.55 to 0.60 (Standardly Dry) 55% to 60% Rain > 0.60 (Standardly Dry) 60% to 65% Rain </div>	<div style="text-align: center;"> <p>NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 39 (23.09.2024 to 29.09.2024) over Agricultural region</p> <p>Odisha</p> <div style="display: flex; align-items: center;"> <ul style="list-style-type: none"> <li style="margin-bottom: 2px;">-0.999 - 0 <li style="margin-bottom: 2px;">0 - 0.05 <li style="margin-bottom: 2px;">0.05 - 0.1 <li style="margin-bottom: 2px;">0.1 - 0.15 <li style="margin-bottom: 2px;">0.15 - 0.2 <li style="margin-bottom: 2px;">0.2 - 0.25 <li style="margin-bottom: 2px;">0.25 - 0.3 <li style="margin-bottom: 2px;">0.3 - 0.35 <li style="margin-bottom: 2px;">0.35 - 0.4 <li style="margin-bottom: 2px;">0.4 - 0.45 <li style="margin-bottom: 2px;">0.45 - 0.5 <li style="margin-bottom: 2px;">0.5 - 0.55 <li style="margin-bottom: 2px;">0.55 - 0.6 <li style="margin-bottom: 2px;">> 0.6 <div style="font-size: 0.8em;"> <p>Bare soil, rocks clouds, rain, snow, etc.</p> <p>Moderate</p> <p>Good</p> <p>Very good</p> </div> </div> <p>Agriculture vigour is moderate at isolated places of the state. NDVI could not be captured over remaining places due dense cloud cover or rainfall.</p> </div>
<p><i>As per SPI value (cumulative 4weeks - 05 September to 02 October 2024), mildly wet condition was there in Cuttack district.</i></p>	<p><i>According to NDVI map (23.09.2024 to 29.09.2024) the agriculture vigor was light to moderate over most of the blocks of Cuttack district.</i></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

LEGEND (Past week temperature)		
Color code	Temperature	Departure
	Below Normal	< 2°C from normal
	Normal	-2°C to +2°C from normal
	Above Normal	>2°C from normal



DrRanjan Kumar Mohanta
(Nodal officer)

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(A Unit of ICAR-National Rice Research Institute)

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Bulletin No.-535
Date- 15/10/2024

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	Rice	Panicle initiation to flowering		Leaf streak
				Mealy bug
				Hispa
				Caseworm
				BPH
				Gundhi Bug
			2	Sugarcane
	Scales			
	White fly			



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3	Maize	Cob development stage		Aphid/thrips
				Stem borer
4	Vegetables			Aphid
				Leaf hopper
				White fly
5	Cabbage/Cauliflower	Seedling to vegetative Stage		Damping off
				White fly
				Tobacco caterpillar



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Bulletin No.-535
Date- 15/10/2024

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 0.33 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively. The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weather advisory: Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 34-35°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-96% and 52-58% respectively. There will be partly cloudy to overcastsky for next 5days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall (mm)	00	00	04	08	12
T-Max (°C)	34	34	34	34	35
T-Min (°C)	25	25	25	25	25
Cloud Cover (octa)	4	4	4	5	8
RH Max (%)	92	94	95	96	94
RH Min (%)	56	52	58	57	58
Wind Speed (kmph)	6	7	7	6	8
Wind Direction (deg)	90	113	79	146	45

Agromet Advisory

General advisory: As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should Start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Maize:

- Maize is at cob development and harvesting stage. Harvest the matured maize in dry days based upon forecast of rain. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 ltr water.

VEGETABLES:

- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 ltr water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



**DrRanjan Kumar Mohanta
(Nodal officer)**

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Bulletin No.-535
Date- 15/10/2024

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 0.33 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively.** The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weatheradvisory:: Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block. The daytemperature will be 34-35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 94-96% and 51-58% respectively. **There will be partly cloudy to overcastsky fornext 5 days.**

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	04	09	12
T-Max(°C)	34	34	34	34	35
T-Min(°C)	24	24	25	24	24
Cloud Cover(octa)	4	4	4	5	7
RH Max (%)	94	95	96	96	94
RH Min (%)	55	51	56	57	58
Wind Speed (Kmph)	6	6	7	6	7
Wind Direction (deg)	113	126	79	23	45

Agromet Advisory

General advisory: As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should Start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Maize:

- Maize is at cob development and harvesting stage. Harvest the matured maize in dry days based upon forecast of rain. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 ltr water.

VEGETABLES:

Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.

- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 ltr water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



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Bulletin No.-535
 Date- 15/10/2024

AGROMET ADVISORY BULLETIN FOR BANKI

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

The district received average 0.33 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively. The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weather advisory: Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 34-35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-96% and 51-58% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	05	09	15
T-Max(°C)	34	34	34	34	35
T-Min(°C)	25	24	25	25	25
Cloud Cover(octa)	4	4	4	5	7
RH Max (%)	93	94	96	96	93
RH Min (%)	56	51	58	57	57
Wind Speed (Kmph)	6	7	7	6	8
Wind Direction (deg)	113	146	146	23	45

Agromet Advisory

General advisory: As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Maize:

- Maize is at cob development and harvesting stage. Harvest the matured maize in dry days based upon forecast of rain. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 litre water.

VEGETABLES:

- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 litre water.

Animal husbandry:

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Bulletin No.-535
Date- 15/10/2024

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 00 mm and district received average 0.33 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively. The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

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Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	05	09	15
T-Max(°C)	34	34	34	34	35
T-Min(°C)	25	24	25	25	25
Cloud Cover(octa)	4	4	4	5	7
RH Max (%)	93	94	96	96	94
RH Min (%)	56	51	58	58	58
Wind Speed (Kmph)	6	7	7	6	8
Wind Direction (deg)	113	146	146	23	45

Agromet Advisory

General advisory: As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.

Kharif Rice

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Weather based Disease and pest of rice

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- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5% EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
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- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Maize:

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VEGETABLES:

- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
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- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 liter water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



DrRanjan Kumar Mohanta
(Nodal officer)

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GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK



(A Unit of ICAR-National Rice Research Institute)
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

Bulletin No.-535
 Date- 15/10/2024

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 0.4 mm and district received average 0.33 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively.** The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weather advisory: *Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block.* The day temperature will be 34-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-96% and 55-60% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	05	07	15
T-Max(°C)	34	34	34	34	35
T-Min(°C)	25	25	26	26	25
Cloud Cover	4	4	4	5	7
RH Max (%)	91	93	95	96	94
RH Min (%)	57	55	59	60	59
Wind Speed (Kmph)	6	8	7	7	9
Wind Direction (deg)	113	113	146	116	45

Agromet Advisory

General advisory: *As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.*

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5% EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Maize:

- Maize is at cob development and harvesting stage. Harvest the matured maize in dry days based upon forecast of rain. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 liter water.

VEGETABLES:

- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 liter water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



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 (Nodal officer)

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Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

Bulletin No.-535
Date- 15/10/2024

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 0.2 mm and district received average 0.33 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively.** The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weather advisory: *Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block.* The day temperature will be 34-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-95% and 53-58% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	04	10	14
T-Max(°C)	34	34	34	34	35
T-Min(°C)	25	25	26	26	26
Cloud Cover(octa)	4	4	4	5	7
RH Max (%)	91	93	95	95	93
RH Min (%)	56	53	58	58	58
Wind Speed (Kmph)	6	7	7	7	9
Wind Direction (deg)	117	120	146	23	45

Agromet Advisory

General advisory: *As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should Start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.*

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Sugarcane:

- Prevailing hot weather favours the infestation of **Mites, Mealy bug, Whitefly and scale insect** in sugarcane. If mites will be found the spray spiromesifen 22.9%SC 1ml/litre of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control scale insects apply Dimethoate 2ml/litre water or methyl demeton 2ml/litre water. To control white fly go for spraying of Thiamethoxam 40 gram in 200litre water for one acre.

VEGETABLES:

Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.

- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 litre water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



DrRanjan Kumar Mohanta
(Nodal officer)

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KRISHI VIGYAN KENDRA CUTTACK



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Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

Bulletin No.-535
Date- 15/10/2024

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 01 mm and district received average 0.33 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively. The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weather advisory: Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 34-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-96% and 57-60% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	04	07	12
T-Max(°C)	34	34	34	34	35
T-Min(°C)	26	26	26	26	25
Cloud Cover(octa)	4	4	5	5	7
RH Max (%)	91	92	95	96	95
RH Min (%)	57	57	60	60	59
Wind Speed (Kmph)	7	8	8	8	9
Wind Direction (deg)	135	110	120	113	45

Agromet Advisory

General advisory: As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Sugarcane:

- Prevailling hot weather favours the infestation of **Mites, Mealy bug, Whitefly and scale insect** in sugarcane. If mites will be found the spray spiromesifen 22.9%SC 1ml/litr of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre. To control scale insects apply Dimethoate 2ml/litr water or methyl demeton 2ml/litrwater. To control white fly go for spraying of Thiamethoxam 40 gram in 200litr water for one acre.

VEGETABLES:

- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 liter water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-535
Date- 15/10/2024

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 0.33 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively. The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weather advisory: Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be and it will be 34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-96% and 55-59% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	04	07	12
T-Max(°C)	34	34	34	34	34
T-Min(°C)	25	25	26	26	25
Cloud Cover(octal)	5	5	4	5	8
RH Max (%)	91	91	95	96	94
RH Min (%)	58	55	57	59	59
Wind Speed (Kmph)	6	8	7	7	9
Wind Direction (deg)	117	146	23	23	45

Agromet Advisory

General advisory: As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Sugarcane:

- Prevaling hot weather favours the infestation of **Mites, Mealy bug, Whitefly and scale insect** in sugarcane. If mites will be found the spray spiromesifen 22.9%SC 1ml/litre of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control scale insects apply Dimethoate 2ml/litre water or methyl demeton 2ml/litre water. To control white fly go for spraying of Thiamethoxam 40 gram in 200litre water for one acre.

VEGETABLES:

- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 litre water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



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Bulletin No.-535
Date- 15/10/2024

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 0.33 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively.** The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weather advisory: Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 33-34°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 94-97% and 48-57% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	04	09	11
T-Max(°C)	34	33	34	33	34
T-Min(°C)	23	23	24	24	23
Cloud Cover(/octa)	4	4	4	5	7
RH Max (%)	96	97	97	97	94
RH Min (%)	52	48	51	55	57
Wind Speed (Kmph)	5	5	6	5	6
Wind Direction (deg)	124	144	135	150	34

Agromet Advisory

General advisory: As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Maize:

- Maize is at cob development and harvesting stage. Harvest the matured maize in dry days based upon forecast of rain. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 litr water.

VEGETABLES:

Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.

- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 litr water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



DrRanjan Kumar Mohanta
(Nodal officer)

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KRISHI VIGYAN KENDRA CUTTACK



(A Unit of ICAR-National Rice Research Institute)
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

Bulletin No.-535
 Date- 15/10/2024

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 0.33 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively.** The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weather advisory: Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 34-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-94% and 58-61% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	05	10	15
T-Max(°C)	35	34	34	34	35
T-Min(°C)	26	26	26	26	25
Cloud Cover(octa)	4	4	6	5	7
RH Max (%)	90	91	92	94	94
RH Min (%)	58	58	60	61	58
Wind Speed(Kmph)	7	9	8	8	9
Wind Direction(deg)	113	107	108	110	45

Agromet Advisory

General advisory: As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Sugarcane:

- Prevailing hot weather favours the infestation of **Mites, Mealy bug, Whitefly and scale insect** in sugarcane. If mites will be found the spray spiromesifen 22.9%SC 1ml/litr of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre. To control scale insects apply Dimethoate 2ml/litr water or methyl demeton 2ml/litrwater. To control white fly go for spraying of Thiamethoxam 40 gram in 200litr water for one acre.

VEGETABLES:

Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.

- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 liter water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



DrRanjan Kumar Mohanta
 (Nodal officer)

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Bulletin No.-535
Date- 15/10/2024

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 0.33 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively.** The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weather advisory: Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 34-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-95% and 56-60% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Nischintakoili(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	04	08	13
T-Max(°C)	34	34	34	34	35
T-Min(°C)	26	25	26	26	25
Cloud Cover(octa)	4	4	4	5	8
RH Max (%)	91	91	95	95	94
RH Min (%)	58	56	58	60	59
Wind Speed (Kmph)	6	8	7	7	9
Wind Direction (deg)	117	146	23	23	45

Agromet Advisory

General advisory: As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should Start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Sugarcane:

- Prevailing hot weather favours the infestation of **Mites, Mealy bug, Whitefly and scale insect** in sugarcane. If mites will be found the spray spiromesifen 22.9%SC 1ml/litr of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre. To control scale insects apply Dimethoate 2ml/litr water or methyl demeton 2ml/litrwater. To control white fly go for spraying of Thiamethoxam 40 gram in 200litr water for one acre.

VEGETABLES:

Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.

- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 liter water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



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(Nodal officer)

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Bulletin No.-535
Date- 15/10/2024

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 0.33 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively.** The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weather advisory: Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 34-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-95% and 56-60% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Salepur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	04	08	13
T-Max(°C)	34	34	34	34	35
T-Min(°C)	26	25	26	26	26
Cloud Cover(octa)	4	4	4	5	7
RH Max (%)	91	92	95	95	94
RH Min (%)	58	56	58	60	59
Wind Speed (Kmph)	6	8	7	7	9
Wind Direction (deg)	117	146	23	23	45

Agromet Advisory

General advisory: As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should Start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Sugarcane:

- Prevailing hot weather favours the infestation of **Mites, Mealy bug, Whitefly and scale insect** in sugarcane. If mites will be found the spray spiromesifen 22.9%SC 1ml/litr of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre. To control scale insects apply Dimethoate 2ml/litr water or methyl demeton 2ml/litrwater. To control white fly go for spraying of Thiamethoxam 40 gram in 200litr water for one acre.

VEGETABLES:

- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 litr water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



**DrRanjan Kumar Mohanta
(Nodal officer)**

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Bulletin No.-535
Date- 15/10/2024

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 0.33 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively. The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weather advisory: Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 33°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-91% and 61-64% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	04	08	12
T-Max(°C)	33	33	33	33	33
T-Min(°C)	26	27	27	27	26
Cloud Cover(octa)	4	4	5	4	8
RH Max (%)	86	83	86	88	91
RH Min (%)	61	62	62	64	61
Wind Speed (Kmph)	8	9	9	10	11
Wind Direction (deg)	120	113	117	115	109

Agromet Advisory

General advisory: As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Maize:

- Maize is at cob development and harvesting stage. Harvest the matured maize in dry days based upon forecast of rain. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 litre water.

VEGETABLES:

- **Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.**
- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 litre water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



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(Nodal officer)

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Bulletin No.-535
 Date- 15/10/2024

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 01 mm and district received average 0.33 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.57°C (+0.69 from normal) and 25°C (+2.12 from normal), respectively. The mean relative humidity was 78-82%.

Forecasted period: Today(8.30IST) to 20th October (8.30IST)2024

Weatheradvisory: Moderate rainfall/thundershower is forecasted for Saturday very light to light rainfall/thundershower is forecasted for Thursday, Friday and dry weather is forecasted for today and tomorrow in the block. The day temperature will be 34-35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-96% and 52-59% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Tigiria(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	15/10/2024	16/10/2024	17/10/2024	18/10/2024	19/10/2024
Rainfall(mm)	00	00	04	08	12
T-Max(°C)	34	34	34	34	35
T-Min(°C)	25	24	25	25	25
Cloud Cover(octa)	4	4	4	5	8
RH Max (%)	93	94	96	96	94
RH Min (%)	57	52	57	57	59
Wind Speed (Kmph)	6	7	7	6	7
Wind Direction (deg)	113	113	79	146	45

Agro met Advisory

General advisory: As slight increase in temperature condition is forecasted in between upcoming 4-5 days and as the rice is at panicle initiation to flowering stage so farmers should maintain 5-10cm water level during the critical stage. Plug the holes in rice field and strengthen the field bunds. Farmers should continue irrigation, pesticide and fertilizer application activities and should start land preparation and sowing of non paddy crops and vegetables like cabbage, cauliflower, radish by utilization of past rainfall associated soil moisture.

Kharif Rice

Maximum paddy crops are now mostly in panicle initiation to flowering stage. Moisture Stress during this stage will lead to decrease in yield. As weather to remain mostly dry, ensure proper water level of 4-5 centimeter in the field.

Weather based Disease and pest of rice

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- **Chances of gundhi bug incidence for crop at flowering stage. If observe spray Ethofenoprox 10% EC @ 1 ml/litre of water.**

Maize:

- Maize is at cob development and harvesting stage. Harvest the matured maize in dry days based upon forecast of rain. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litr water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 ltr water.

VEGETABLES:

Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.

- Fully decomposed FYM or compost should be added before sowing of vegetable. Transplant 35-40 days old seedlings in the main field.
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water.
- If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water.
- The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 ltr water.

Animal husbandry:

Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.



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 (Nodal officer)

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 advisories in local language and DAMINI
 APP for Lightening alert in your area







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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://imdagrimet.gov.in/imdproject/AGIndex.php	



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