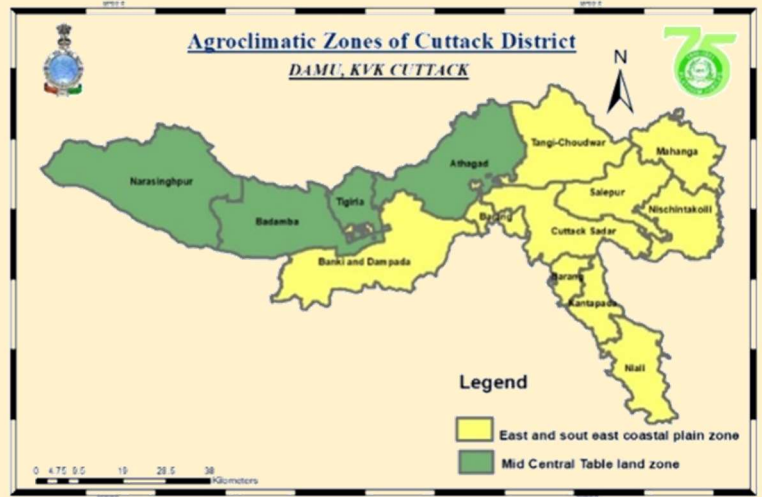




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday, 01st October, 2024
 (For the period 01st to 05th 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)
<p style="text-align: center; font-size: small;">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p style="text-align: center; font-size: small;">STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 29 AUGUST TO 25 SEPTEMBER 2024</p> <p style="text-align: center; font-size: small;">SPI VALUES</p> <ul style="list-style-type: none"> 0.00 to 0.19 (Extremely Dry) 0% Deficit 0% Area 0.20 to 0.39 (Very Dry) 10% Deficit 0% Area 0.40 to 0.59 (Dry) 20% Deficit 0% Area 0.60 to 0.79 (Moderately Dry) 30% Deficit 0% Area 0.80 to 0.99 (Moderate) 40% Deficit 0% Area 1.00 to 1.19 (Moderately Wet) 50% Deficit 0% Area 1.20 to 1.39 (Very Wet) 60% Deficit 0% Area 1.40 to 1.59 (Extremely Wet) 70% Deficit 0% Area >= 1.60 (Extremely Wet) 80% Deficit 0% Area 	<p style="text-align: center;">NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 38 (16.09.2024 to 22.09.2024) over Agricultural region</p> <p style="text-align: center; font-size: large;">Odisha</p> <ul style="list-style-type: none"> -0.9999 - 0 0 - 0.05 0.05 - 0.1 0.1 - 0.15 0.15 - 0.2 0.2 - 0.25 0.25 - 0.3 0.3 - 0.35 0.35 - 0.4 0.4 - 0.45 0.45 - 0.5 0.5 - 0.55 0.55 - 0.6 > 0.6 <p style="font-size: x-small;">Bare soil, rocks clouds, rain, snow, etc.</p> <p style="font-size: x-small;">Moderate</p> <p style="font-size: x-small;">Good</p> <p style="font-size: x-small;">Very good</p> <p style="font-size: x-small;">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>
<p><i>As per SPI value (cumulative 4weeks - 29 August to 25 September 2024), mildly wet condition was there in Cuttack district.</i></p>	<p><i>According to NDVI map (16.09.2024 to 22.09.2024) the agriculture vigor was 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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**GRAMIN KRISHI MAUSAM SEWA
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KRISHI VIGYAN KENDRA CUTTACK**












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Bulletin No.-533
Date- 01/10/2024

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		Leaf Streak
				Brown plant hopper
				Gall mildge
				Mealy bug
				Hispa
				Caseworm
2	Sugarcane	6-7 month old		Mealy bug
				Scales
				White fly



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3	Maize	Cob initiation		Aphid/thrips
				Stem borer
				Tobacco caterpillar
4	Kharif groundnut	Flowering to pegging/Harvesting		Foot rot
				Alternaria leaf blight
				Rust
4	Vegetables			Aphid
				Leaf hopper
				White fly
5	Banana			Sigatoka
				Panama wilt



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Bulletin No.-533
Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 12 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weather advisory: *Very light to light rainfall/thundershower is forecasted in between next 5days in the block.* The day temperature will be 33-36°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-88% and 50-67% respectively. There will be partly cloudy to overcastsky for next 5days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall (mm)	03	05	02	03	08
T-Max (°C)	35	33	36	35	33
T-Min (°C)	27	26	27	26	25
Cloud Cover (octa)	5	8	7	6	8
RH Max (%)	88	83	83	78	82
RH Min (%)	60	67	50	50	51
Wind Speed (kmph)	8	6	9	7	5
Wind Direction (deg)	290	270	289	300	330

Agromet Advisory

General advisory: *Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.*

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- 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.

Maize:

- Maize is at cob initiation stage. 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 liter water. There may be chances of **tobacco caterpillar** in maize in between temperature 15t-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

Kharif-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.

Fruits:

- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

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.-533
Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 10 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weatheradvisory: *Very light to light rainfall/thundershower is forecasted in between next 5days in the block.* The daytemperature will be 33-36°Cand night temperature will be 24-26°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 75-87% and 48-63% respectively. There will be partly cloudy to overcastsky fornext 5 days.

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	03	04	02	03	08
T-Max(°C)	35	33	36	35	33
T-Min(°C)	26	25	26	25	24
Cloud Cover(octa)	5	8	7	5	8
RH Max (%)	87	83	80	75	81
RH Min (%)	59	63	50	48	51
Wind Speed (Kmph)	7	6	8	7	6
Wind Direction (deg)	290	257	285	297	297

Agromet Advisory

General advisory: *Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.*

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyriphos 20EC @500ml/acre to manage the pest.
- 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 Chlorpyriphos 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.

Maize:

- Maize is at cob initiation stage. 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 liter water. There may be chances of **tobacco caterpillar** in maize in between temperature 15t-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

Kharif-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.

Fruits:

- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

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.-533

Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR BANKI

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

The district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weather advisory:: Very light to light rainfall/thundershower is forecasted in between next 5 days in the block. The day temperature will be 33-36°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-86% and 49-63% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	04	05	03	04	09
T-Max(°C)	35	33	36	35	33
T-Min(°C)	26	26	26	26	25
Cloud Cover(octa)	5	8	7	6	8
RH Max (%)	86	83	82	77	80
RH Min (%)	57	63	49	49	49
Wind Speed (Kmph)	8	7	9	7	6
Wind Direction (deg)	290	259	289	300	315

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- 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.

Maize:

- Maize is at cob initiation stage. 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 liter water. There may be chances of **tobacco caterpillar** in maize in between temperature 15t-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

Kharif-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.

Fruits:

- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

Animal husbandry:

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Bulletin No.-533
Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 31 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weather Advisory: Very light to light rainfall/thundershower is forecasted in between next 5 days in the block. The day temperature will be 33-36°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-87% and 49-64% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	04	05	03	04	09
T-Max(°C)	35	33	36	35	33
T-Min(°C)	26	26	26	26	25
Cloud Cover(octa)	5	8	7	6	8
RH Max (%)	87	84	82	77	80
RH Min (%)	58	64	50	51	49
Wind Speed (Kmph)	8	7	9	7	6
Wind Direction (deg)	290	259	289	300	315

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- 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.

Maize:

- Maize is at cob initiation stage. 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 liter water. There may be chances of **tobacco caterpillar** in maize in between temperature 15t-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

Kharif-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.

Fruits:

- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

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.-533
 Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 09 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weather advisory: *Very light to light rainfall/thundershower is forecasted in between next 5days in the block.* The day temperature will be 33-35°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-88% and 50-64% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	04	07	03	04	10
T-Max(°C)	35	33	35	35	33
T-Min(°C)	27	27	27	26	26
Cloud Cover	6	8	7	7	8
RH Max (%)	88	85	86	82	82
RH Min (%)	59	64	51	53	50
Wind Speed (Kmph)	10	8	10	7	5
Wind Direction (deg)	287	285	248	214	248

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- 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.

Maize:

- Maize is at cob initiation stage. 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 liter water. There may be chances of **tobacco caterpillar** in maize in between temperature 15t-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

Kharif-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.

Fruits:

- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

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.-533
Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 07 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weather advisory: *Very light to light rainfall/thundershower is forecasted in between next 5 days in the block.* The day temperature will be 33-36°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-87% and 49-65% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	04	06	03	04	09
T-Max(°C)	35	33	36	35	33
T-Min(°C)	27	27	27	27	26
Cloud Cover(octa)	5	8	7	7	8
RH Max (%)	87	83	84	81	83
RH Min (%)	60	65	49	50	50
Wind Speed (Kmph)	10	7	10	7	5
Wind Direction (deg)	285	285	289	289	203

Agromet Advisory

General advisory: *Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.*

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- 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.

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/litr water. To control white fly go for spraying of Thiamethoxam 40 gram in 200litr water for one acre.

Kharif-Groundnut: If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of collar rot, alternaria leaf spot and rust in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.

Fruits:

- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

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.-533
Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 27 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weatheradvisory: *Very light to light rainfall/thundershower is forecasted in between next 5days in the block.* The day temperature will be 33-36°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-90% and 51-63% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Kantapada(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	04	07	03	04	10
T-Max(°C)	36	34	35	34	33
T-Min(°C)	27	27	27	26	26
Cloud Cover(octa)	6	8	7	7	8
RH Max (%)	90	87	88	85	83
RH Min (%)	58	63	56	55	51
Wind Speed (Kmph)	10	8	10	8	7
Wind Direction (deg)	252	270	234	208	210

Agromet Advisory

General advisory: *Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.*

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- 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.

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/litr water.To control white fly go for spraying of Thiamethoxam 40 gram in 200litr water for one acre.

Kharif-Groundnut: If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of collar rot, alternaria leaf spot and rust in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.

Fruits:

- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

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.-533
Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 10 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weather advisory: *Very light to light rainfall/thundershower is forecasted in between next 5days in the block.* The day temperature will be and it will be 33-35°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-89% and 53-64% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Mahanga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	04	06	03	04	09
T-Max(°C)	35	33	35	34	33
T-Min(°C)	27	27	27	26	26
Cloud Cover(octal)	6	8	7	8	8
RH Max (%)	89	84	87	85	84
RH Min (%)	57	64	53	55	54
Wind Speed (Kmph)	11	9	10	9	6
Wind Direction (deg)	279	248	242	207	135

Agromet Advisory

General advisory: *Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.*

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- 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.

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/litr water.To control white fly go for spraying of Thiamethoxam 40 gram in 200litr water for one acre.

Kharif-Groundnut:If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of collar rot, alternaria leaf spot and rust in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.

Fruits:

- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

Animal husbandry:

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Bulletin No.-533
Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 04 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weather advisory: *Very light to light rainfall/thundershower is forecasted in between next 5days in the block.* The day temperature will be 32-36°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-88% and 47-65% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	03	04	02	03	08
T-Max(°C)	34	33	36	34	32
T-Min(°C)	25	24	25	24	23
Cloud Cover(/octa)	5	8	7	5	7
RH Max (%)	88	82	78	76	83
RH Min (%)	58	65	49	47	49
Wind Speed (Kmph)	6	5	7	6	5
Wind Direction (deg)	270	257	290	293	296

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- 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.

Maize:

- Maize is at cob initiation stage. 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 liter water. There may be chances of **tobacco caterpillar** in maize in between temperature 15t-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

Kharif-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.

Fruits:

- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

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.-533
Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 20 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weather advisory: *Very light to light rainfall/thundershower is forecasted in between next 5 days in the block.* The day temperature will be 33-36°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-88% and 51-62% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	04	07	03	04	10
T-Max(°C)	36	34	35	34	33
T-Min(°C)	27	27	27	26	26
Cloud Cover(octa)	6	8	8	8	8
RH Max (%)	88	87	87	84	81
RH Min (%)	56	62	56	55	51
Wind Speed(Kmph)	10	9	11	10	8
Wind Direction(deg)	251	244	234	208	210

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- 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 200liter 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.

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 200liter water for one acre. To control scale insects apply Dimethoate 2ml/litr water or methyl demeton 2ml/litr water. To control white fly go for spraying of Thiamethoxam 40 gram in 200liter water for one acre.

Kharif-Groundnut: If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of collar rot, alternaria leaf spot and rust in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.
- Fruits:**
- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

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.-533
Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 19 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weather advisory: *Very light to light rainfall/thundershower is forecasted in between next 5 days in the block.* The day temperature will be 33-35°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-90% and 54-64% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	04	08	03	04	10
T-Max(°C)	35	33	35	34	33
T-Min(°C)	27	27	27	26	26
Cloud Cover(octa)	6	8	7	8	8
RH Max (%)	90	85	87	86	83
RH Min (%)	58	64	54	56	54
Wind Speed (Kmph)	11	9	10	9	6
Wind Direction (deg)	259	270	242	208	203

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- 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.

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/litr water. To control white fly go for spraying of Thiamethoxam 40 gram in 200litr water for one acre.

Kharif-Groundnut: If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of collar rot, alternaria leaf spot and rust in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.
- **Fruits:**
- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

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.-533
Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 20 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weather advisory: *Very light to light rainfall/thundershower is forecasted in between next 5 days in the block.* The day temperature will be 33-35°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-89% and 53-64% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	04	08	03	04	10
T-Max(°C)	35	33	35	34	33
T-Min(°C)	27	27	27	26	26
Cloud Cover(octa)	6	8	7	8	8
RH Max (%)	89	85	87	86	84
RH Min (%)	58	64	53	56	54
Wind Speed (Kmph)	11	9	10	9	6
Wind Direction (deg)	279	270	242	208	180

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- 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.

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/litr water. To control white fly go for spraying of Thiamethoxam 40 gram in 200litr water for one acre.

Kharif-Groundnut: If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of collar rot, alternaria leaf spot and rust in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.
- Fruits:**
- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

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.-533
Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 15 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weather advisory: *Very light to light rainfall/thundershower is forecasted in between next 5 days in the block.* The day temperature will be 33-36°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-86% and 57-62% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	04	08	03	04	10
T-Max(°C)	36	35	35	34	33
T-Min(°C)	29	28	28	28	28
Cloud Cover(octa)	6	8	8	8	8
RH Max (%)	85	86	83	82	81
RH Min (%)	57	62	58	60	60
Wind Speed (Kmph)	14	12	14	14	10
Wind Direction (deg)	244	246	212	207	203

Agromet Advisory

General advisory: *Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.*

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- 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 200liter 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.

Maize:

- Maize is at cob initiation stage. There may be **Aphids and Thrips** infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200liter water for one acre. To control **stem borer** apply fipronil 5SC 400ml/acre in 200 liter water. There may be chances of **tobacco caterpillar** in maize in between temperature 15t-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

Kharif-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.

Fruits:

- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

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.-533

Date- 01/10/2024

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 12 mm and district received average 14 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.88°C (-1.34 from normal) and 24.78°C (+0.93 from normal), respectively. The mean relative humidity was 89-91%.

Forecasted period: Today(8.30IST) to 06th October (8.30IST)2024

Weather advisory: Very light to light rainfall/thundershower is forecasted in between next 5days in the block. The day temperature will be 33-36°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-87% and 49-67% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	01/10/2024	02/10/2024	03/10/2024	04/10/2024	05/10/2024
Rainfall(mm)	03	05	03	04	08
T-Max(°C)	35	33	36	35	33
T-Min(°C)	26	26	26	26	25
Cloud Cover(octa)	5	8	7	6	8
RH Max (%)	87	83	81	76	83
RH Min (%)	60	67	51	49	51
Wind Speed (Kmph)	8	6	8	7	5
Wind Direction (deg)	290	270	293	297	330

Agro met Advisory

General advisory: Drain out excess rain water from crop fields. Strengthen field bunds to maintain 5-10cm water depth during reproductive phase of rice. They should resume all type of farm operational activities based on rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

Kharif Rice

Drain out excess water from crop field and Maintain about 5-10cm standing water during panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 17kg of urea and 13kg MOP per acre in upcoming dry days based upon rainfall forecast.

Weather based Disease and pest of rice

- 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.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest.
- 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.

Maize:

- Maize is at cob initiation stage. 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 liter water. There may be chances of **tobacco caterpillar** in maize in between temperature 15t-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 liter water.

Kharif-Groundnut:

- If groundnut is at harvesting stage then go for harvesting before rainy days. Anticipated humid, rainy weather favors infestation of **collar rot, alternaria leaf spot and rust** in groundnut. To control farmers may spray macozeb/copper oxychloride 2g/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.

Fruits:

- Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

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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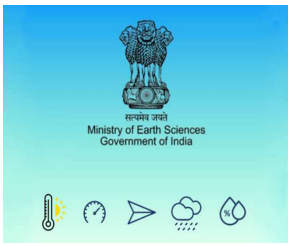
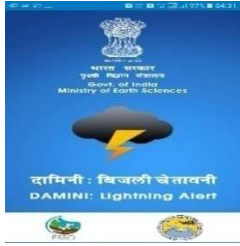


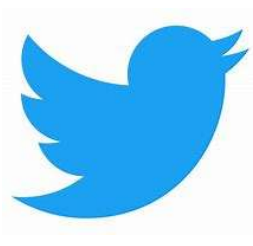






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- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.
<https://play.google.com/store/apps/details?id=com.aas.meghdoot>
- Kindly install and use **“Damini mobile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

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



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