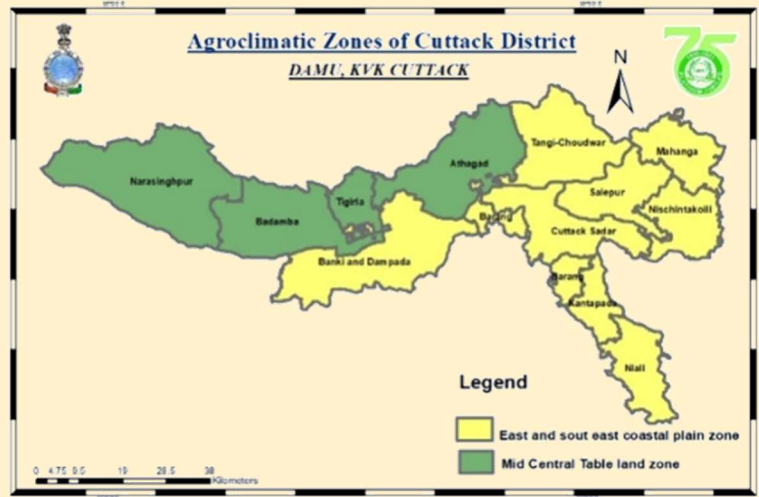




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday, 27th September, 2024
 (For the period 27th September to 01
 October, 2024)*

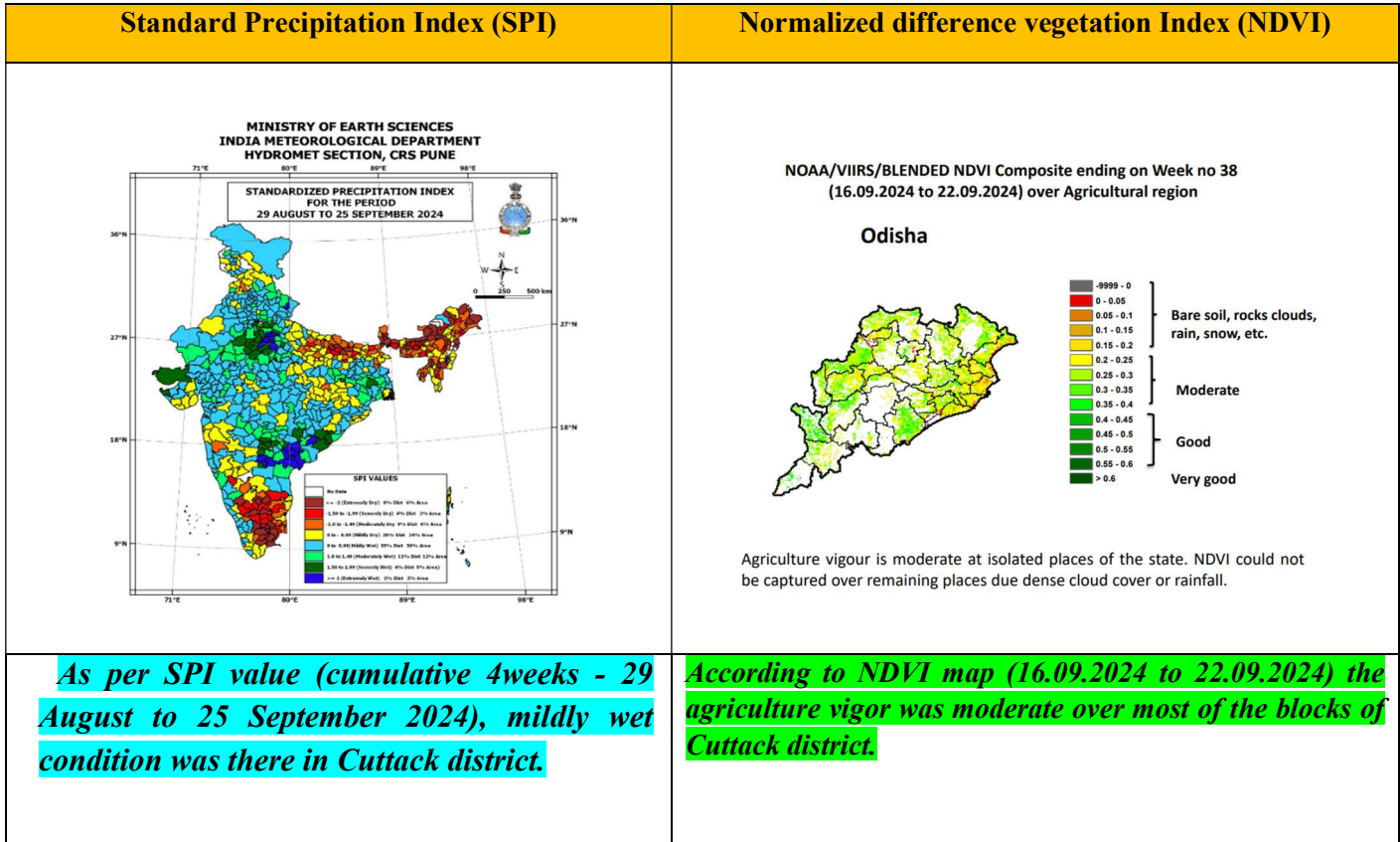


*Issued by
 District Agro-met Unit,
 KrishiVigyan Kendra Cuttack*





STANDARD PRECIPITATION INDEX AND NDVI MAP



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

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
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.-532

Date- 27/09/2024

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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Bulletin No.-532
Date- 27/09/2024

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.-532
Date- 27/09/2024

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 17 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weather advisory: Light to moderate rainfall is forecasted for today to Tuesday in the block. The day temperature will be 30-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-92% and 58-72% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall (mm)	13	06	08	07	09
T-Max (°C)	30	33	33	34	33
T-Min (°C)	25	25	26	27	26
Cloud Cover (octa)	8	7	8	8	8
RH Max (%)	92	92	91	88	90
RH Min (%)	72	61	58	59	63
Wind Speed (kmph)	15	12	7	8	9
Wind Direction (deg)	198	204	206	210	225

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 except today 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.-532
Date- 27/09/2024

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 08 mm and district received average 17 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weatheradvisory: *Light to moderate rainfall is forecasted for today to Tuesday in the block.* The daytemperature will be 30-33°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-93% and 60-74% respectively. **There will be partly cloudy to overcastsky fornext 5 days.**

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	11	06	08	07	09
T-Max(°C)	30	33	33	33	33
T-Min(°C)	24	24	25	26	25
Cloud Cover(octa)	8	7	8	8	8
RH Max (%)	92	93	89	88	90
RH Min (%)	74	61	60	61	63
Wind Speed (Kmph)	14	10	6	7	8
Wind Direction (deg)	193	203	206	225	225

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 except today 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.-532
Date- 27/09/2024

AGROMET ADVISORY BULLETIN FOR BANKI

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

The district received average 17 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weather advisory: Light to moderate rainfall is forecasted for today to Tuesday in the block. The day temperature will be 30-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-91% and 57-71% 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	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	14	07	09	07	10
T-Max(°C)	30	33	34	33	33
T-Min(°C)	25	25	26	26	26
Cloud Cover(octa)	8	7	8	8	8
RH Max (%)	91	91	90	88	90
RH Min (%)	71	61	57	58	62
Wind Speed (Kmph)	15	12	7	8	9
Wind Direction (deg)	198	206	210	210	225

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 except today 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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Bulletin No.-532
Date- 27/09/2024

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 37 mm and district received average 17 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weather Advisory: Light to moderate rainfall is forecasted for today to Tuesday in the block. The day temperature will be 30-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-91% and 58-71% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	14	07	09	07	10
T-Max(°C)	30	33	34	33	33
T-Min(°C)	25	25	26	26	26
Cloud Cover(octa)	8	7	8	8	8
RH Max (%)	91	91	91	88	90
RH Min (%)	71	61	58	58	62
Wind Speed (Kmph)	15	12	7	8	9
Wind Direction (deg)	198	203	210	210	225

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 except today 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.-532
Date- 27/09/2024**

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 11 mm and district received average 17 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively.** The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weather advisory: *Light to moderate rainfall is forecasted for today to Tuesday in the block.* The day temperature will be 30-33°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-92% and 58-71% 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	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	14	07	09	11	10
T-Max(°C)	30	32	33	33	33
T-Min(°C)	26	26	26	27	26
Cloud Cover	8	7	8	8	8
RH Max (%)	92	90	92	90	89
RH Min (%)	71	64	60	58	63
Wind Speed (Kmph)	15	14	10	9	11
Wind Direction (deg)	201	204	216	216	225

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 except today 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.-532
Date- 27/09/2024

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 10 mm and district received average 17 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weather advisory: Light to moderate rainfall is forecasted for today to Tuesday in the block. The day temperature will be 30-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-93% and 58-71% 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)				
	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	14	07	09	12	10
T-Max(°C)	30	32	33	34	33
T-Min(°C)	26	26	26	27	26
Cloud Cover(octa)	8	7	8	7	8
RH Max (%)	93	90	92	89	89
RH Min (%)	71	63	58	59	63
Wind Speed (Kmph)	15	13	9	9	11
Wind Direction (deg)	193	204	216	216	225

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 except today 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 200ltr 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.



DrRanjan Kumar Mohanta
(Nodal officer)

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

Bulletin No.-532
Date- 27/09/2024

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 30 mm and district received average 17 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weather advisory: Light to moderate rainfall is forecasted for today to Tuesday in the block. The day temperature will be 30-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-92% and 59-71% 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)				
	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	13	07	09	12	10
T-Max(°C)	30	32	33	34	32
T-Min(°C)	26	26	27	27	26
Cloud Cover(octa)	8	7	8	8	8
RH Max (%)	92	88	92	90	89
RH Min (%)	71	66	63	59	64
Wind Speed (Kmph)	15	15	11	10	13
Wind Direction (deg)	201	204	238	216	225

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 except today 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/litre 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/litre water or methyl demeton 2ml/litre 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.-532
Date- 27/09/2024

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 11 mm and district received average 17 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weather advisory: Light to moderate rainfall is forecasted for today to Tuesday in the block. The day temperature will be and it will be 31-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-94% and 58-71% 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)				
	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	14	07	09	12	10
T-Max(°C)	31	32	33	34	33
T-Min(°C)	26	26	26	27	26
Cloud Cover(octal)	8	7	8	8	8
RH Max (%)	94	91	93	91	90
RH Min (%)	71	65	58	61	63
Wind Speed (Kmph)	15	14	11	10	12
Wind Direction (deg)	198	204	225	216	225

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 except today 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 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.-532
Date- 27/09/2024

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 13 mm and district received average 17 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weatheradvisory: *Light to moderate rainfall is forecasted for today to Tuesday in the block.* The day temperature will be 29-33°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-95% and 58-75% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	11	06	08	07	09
T-Max(°C)	29	33	33	33	32
T-Min(°C)	23	23	24	24	24
Cloud Cover(/octa)	8	7	8	8	8
RH Max (%)	94	95	89	88	90
RH Min (%)	75	58	61	62	61
Wind Speed (Kmph)	10	7	5	6	6
Wind Direction (deg)	167	203	214	225	238

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 except today 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.-532
Date- 27/09/2024

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 23 mm and district received average 17 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.**

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weather advisory: Light to moderate rainfall is forecasted for today to Tuesday in the block. The day temperature will be 30-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-91% and 58-73% 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)				
	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	12	07	09	13	10
T-Max(°C)	30	32	33	34	32
T-Min(°C)	26	26	27	27	26
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	91	87	91	89	87
RH Min (%)	73	68	66	58	64
Wind Speed(Kmph)	16	16	13	11	14
Wind Direction(deg)	201	204	238	216	225

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 except today 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.-532
Date- 27/09/2024

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 22 mm and district received average 17 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weather advisory: Light to moderate rainfall is forecasted for today to Tuesday in the block. The day temperature will be 30-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-93% and 59-71% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	15	07	09	13	10
T-Max(°C)	30	32	33	34	33
T-Min(°C)	26	26	26	27	26
Cloud Cover(octa)	8	7	8	8	8
RH Max (%)	93	90	93	91	89
RH Min (%)	71	66	59	60	63
Wind Speed (Kmph)	15	15	11	10	12
Wind Direction (deg)	198	204	225	216	225

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 except today 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.-532
Date- 27/09/2024

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 24 mm and district received average 17 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weather advisory: Light to moderate rainfall is forecasted for today to Tuesday in the block. The day temperature will be 31-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-93% and 59-71% 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	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	15	07	09	13	10
T-Max(°C)	31	32	33	34	33
T-Min(°C)	26	26	26	27	26
Cloud Cover(octa)	8	7	8	8	8
RH Max (%)	93	90	93	91	89
RH Min (%)	71	65	59	61	63
Wind Speed (Kmph)	15	14	11	10	12
Wind Direction (deg)	198	204	225	216	225

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 except today 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 + 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.-532

Date- 27/09/2024

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 13 mm and district received average 17 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weather advisory: Light to moderate rainfall is forecasted for today to Tuesday in the block. The day temperature will be 31-34°C and night temperature will be 28°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-90% and 61-75% 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)				
	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	14	07	09	12	10
T-Max(°C)	31	32	33	34	33
T-Min(°C)	28	28	28	28	28
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	87	86	90	88	81
RH Min (%)	75	72	69	61	67
Wind Speed (Kmph)	19	19	17	14	18
Wind Direction (deg)	198	212	238	246	212

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 except today 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 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.

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 200litre water for one acre. To control **stem borer** apply fipronil 5SC 400ml/acre in 200 litre 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.-532
Date- 27/09/2024

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 14 mm and district received average 17 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.74°C (-1.17 from normal) and 24.5°C (+0.62 from normal), respectively. The mean relative humidity was 95-97%.

Forecasted period: Today(8.30IST) to 02nd October (8.30IST)2024

Weather advisory: Light to moderate rainfall is forecasted for today to Tuesday in the block. The day temperature will be 30-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-92% and 59-73% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	27/09/2024	28/09/2024	29/09/2024	30/09/2024	01/10/2024
Rainfall(mm)	11	06	08	06	09
T-Max(°C)	30	33	33	33	33
T-Min(°C)	25	25	26	26	26
Cloud Cover(octa)	8	7	8	8	8
RH Max (%)	92	92	90	88	90
RH Min (%)	73	61	59	60	63
Wind Speed (Kmph)	15	11	6	7	8
Wind Direction (deg)	198	203	206	210	225

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 except today 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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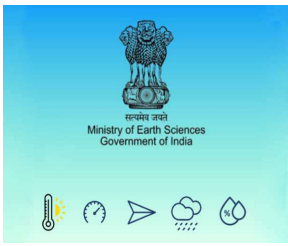
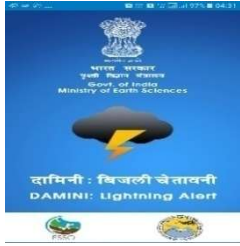


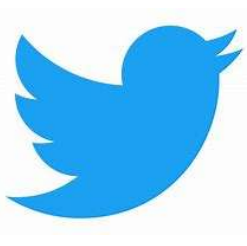






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- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.
<https://play.google.com/store/apps/details?id=com.aas.meghdoot>
- Kindly install and use **“Damini mobile 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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