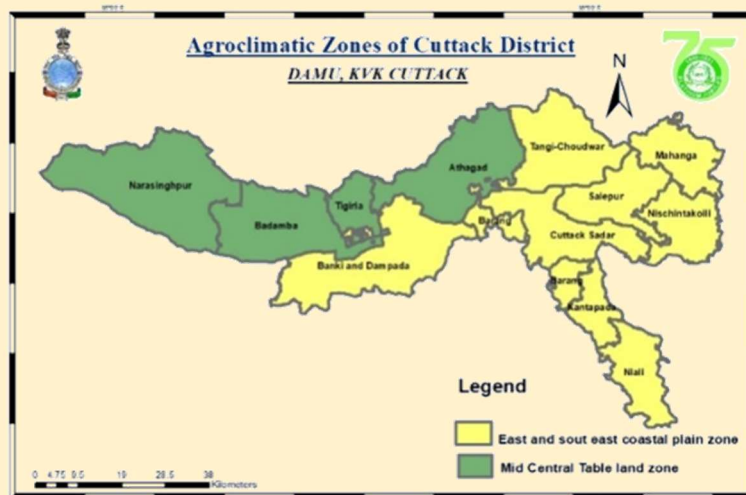




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday, 26th September, 2023
(For the period 26th to 30th September,
2023)*



*Issued by
District Agro-met Unit,
Krishi Vigyan Kendra Cuttack*





GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
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Bulletin No.-439
Date- 26/09/2023

STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p style="text-align: center;">Standardised Precipitation Index for the period 24th August to 20th September 2023</p>	<p style="text-align: center;">NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 36 (17.09.2023 to 23.09.2023) over Agricultural region</p> <p style="text-align: center;">Odisha</p> <p style="text-align: center;">Agriculture vigour is moderate over the state.</p>
<p><i>As per SPI value (cumulative 4weeks - 24August to20 September 2023), Mildly dry condition was there in Cuttack district.</i></p>	<p><i>According to NDVI map (17.09.2023 to 23.09.2023) the agriculture vigor was light to moderate over isolated places of all blocks.</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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Debasish Jena
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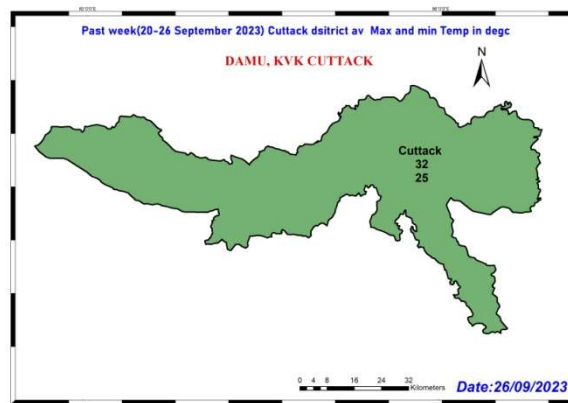
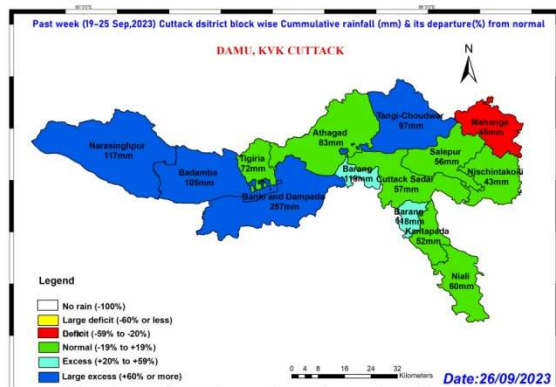


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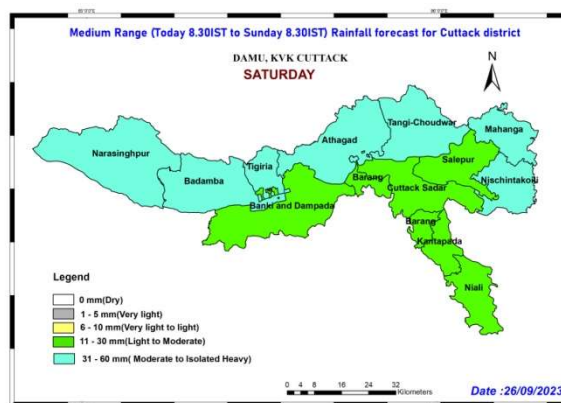
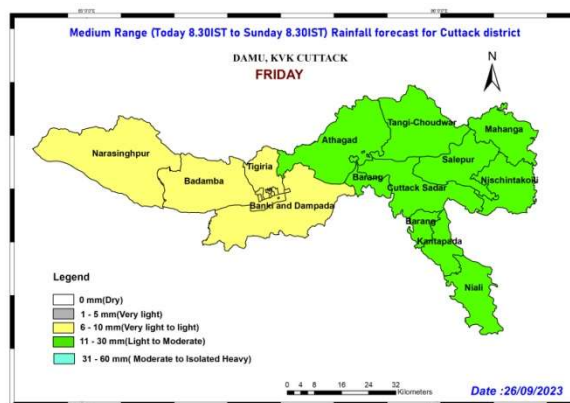
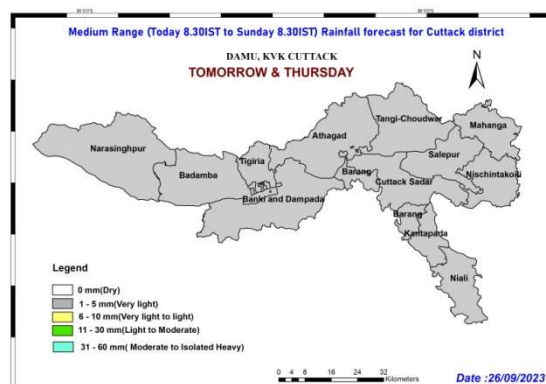
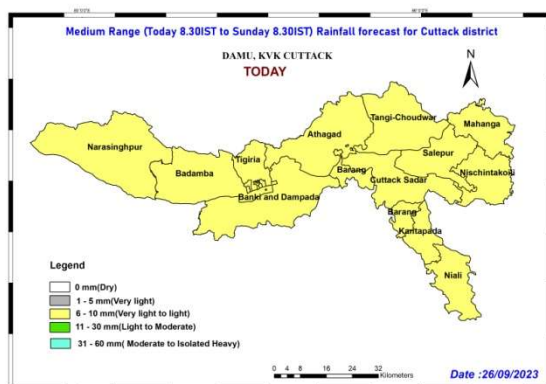


Bulletin No.-439
 Date- 26/09/2023

Past week (19-25 September, 2023) cumulative rainfall (mm) & its departure% from normal and 20-26 September average weekly maximum and minimum temperature for Cuttack district



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



DrRanjan Kumar Mohanta
 (Nodal officer)



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Bulletin No.-439
 Date- 26/09/2023

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (01-07 October 2023) after 5 days				
Odisha	<i>Parameter</i>	<i>Actual</i>	<i>Normal</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall (mm)	9.26	7.07	30.98	Above Normal
	<i>Parameter</i>	<i>Actual</i>	<i>Normal</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature (°C)	32.41	31.98	0.44	Normal
	Minimum temperature (°C)	24.20	23.33	0.87	Normal

***Agromet Advisory based upon subsequent week extended range forecast-:** There will be **above normal rainfall** is forecasted in the subsequent week (01-07 October, 2023) after 5 days in Odisha condition and also there will be light to moderate rainfall with isolated heavy is forecasted in between upcoming 5 days, so there may be water logging condition in rice and other crop and vegetable field. Farmers may go for drainage of excess water from rice, maize, pulses, kharif groundnut and vegetable field. Farmers should harvest matured vegetables, kharif groundnut, pulses and maize before the subsequent week and pause application of fertilizer, pesticides and irrigation activities in the subsequent week.



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Bulletin No.-439

Date- 26/09/2023

Weather (Past and Forecasted) based Disease and pest in Major Crops and vegetables

Sl No	Crop	Stage and condition of the crop	Anticipated Disease and pest	
1	Rice	Panicle initiation to Flowering		Sheath blight
				Stem/foot rot
				Brown plant hopper
				Stem borer
				Gall mildge
2	Sugarcane	7-8 month old		Mealy bug
				Scales
				White fly
				Top rot

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Bulletin No.-439
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3	Maize	Cob initiation		Aphid/thrips
				Stem borer
				Tobacco caterpillar
4	Kharif groundnut	Flowering to pegging/Harvesting		
				
				
5	Vegetables			Aphid
				Leaf hopper
				White fly
	Brinjal	Transplanting		Wilt
	Okra	Fruting		Fruit and shoot borer
	Unseasonal Cauliflower	Seedling		Damping off

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AGROMET ADVISORY BULLETIN FOR ATHAGAD



Bulletin No.-439

Date- 26/09/2023

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

The block received average 12mm& district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was **32°C (-1°C from normal)** and **25°C (+1.3°C from normal)**, respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today(8.30IST) to 01st October (8.30IST)2023

Weather advisory: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate with isolated heavy rainfall/Thundershower is forecasted in between other 3days in the block. The day temperature will be 32-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-97% and 50-60% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall (mm)	8	3	2	11	32
T-Max (°C)	32	32	34	33	33
T-Min (°C)	25	24	24	25	25
Cloud Cover (octa)	7	8	7	8	7
RH Max (%)	96	95	97	94	91
RH Min (%)	60	60	52	50	57
Wind Speed (kmph)	9	8	7	6	4
Wind Direction (deg)	193	193	167	23	45

Agromet Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH)** infestation will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Maize:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. 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 15-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 litre 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 mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.
- 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.
- For sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control **fruit and shoot borer** in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-439

Date- 26/09/2023

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 15mm& district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-1°C from normal) and 25°C (+1.3°C from normal), respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today(8.30IST) to 01st October (8.30IST)2023

Weather advisory: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate with isolated heavy rainfall/Thundershower is forecasted in between other 3days in the block. The day temperature will be 31-34°C and night temperature will be 24°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-97% and 50-60% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall(mm)	7	2	1	8	33
T-Max(°C)	32	33	34	33	31
T-Min(°C)	24	24	24	24	24
Cloud Cover(octa)	7	8	7	7	8
RH Max (%)	97	96	97	95	89
RH Min (%)	60	59	53	50	59
Wind Speed (Kmph)	9	7	6	6	4
Wind Direction (deg)	167	193	171	135	23

Agromet Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of stem borer and blast disease in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control stem borer and to control blast disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If Brown Plant Hopper (BPH) infestation will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of Foot rot spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Maize:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 liter water. There may be chances of tobacco caterpillar in maize in between temperature 15-35 °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 mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.
 - 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.
 - For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
 - To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
 - After rainfall there may be chances of wilting in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-439

Date- 26/09/2023

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-1°C from normal) and 25°C (+1.3°C from normal), respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today (8.30 IST) to 01st October (8.30 IST) 2023

Weather advisory: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate rainfall/Thundershower is forecasted in between other 3 days in the block. The day temperature will be 32-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-96% and 50-60% 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	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall (mm)	9	1	1	7	28
T-Max (°C)	32	32	34	33	32
T-Min (°C)	24	24	24	25	24
Cloud Cover (octa)	7	8	7	8	8
RH Max (%)	96	95	96	95	88
RH Min (%)	60	59	54	50	56
Wind Speed (Kmph)	10	8	7	7	4
Wind Direction (deg)	193	193	189	135	23

Agromet Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of stem borer and blast disease in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control stem borer and to control blast disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If Brown Plant Hopper (BPH) infestation will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of Foot rot, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Maize:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. 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 15-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 litre 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 mancozeb/copper oxychloride 2g/litre water.

VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.
- 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.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-439

Date- 26/09/2023

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 37mm & district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-1°C from normal) and 25°C (+1.3°C from normal), respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today (8.30 IST) to 01st October (8.30 IST) 2023

Weather Advisory: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate rainfall/Thundershower is forecasted in between other 3 days in the block. The day temperature will be 32-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-96% and 50-60% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall(mm)	10	1	2	10	30
T-Max(°C)	32	32	34	33	32
T-Min(°C)	25	24	24	25	25
Cloud Cover(octa)	7	8	7	8	8
RH Max (%)	96	95	96	94	88
RH Min (%)	60	60	54	50	56
Wind Speed (Kmph)	10	9	7	7	4
Wind Direction (deg)	193	193	180	198	23

Agromet Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of stem borer and blast disease in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control stem borer and to control blast disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If Brown Plant Hopper (BPH) infestation will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of Foot rot spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Maize:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 liter water. There may be chances of tobacco caterpillar in maize in between temperature 15-35 °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 mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.
 - 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.
 - For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
 - To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
 - After rainfall there may be chances of wilting in Brinjal and damping off in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan 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)

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Bulletin No.-439

Date- 26/09/2023

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 17mm& district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-1°C from normal) and 25°C (+1.3°C from normal), respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today(8.30IST) to 01st October (8.30IST)2023

Weather advisory: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate rainfall/Thundershower is forecasted in between other 3 days in the block. The day temperature will be 32-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-96% and 51-62% 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	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall(mm)	9	2	1	11	30
T-Max(°C)	32	32	33	33	33
T-Min(°C)	25	25	25	26	25
Cloud Cover	7	8	7	8	7
RH Max (%)	95	95	96	93	89
RH Min (%)	62	59	55	51	54
Wind Speed (Kmph)	10	9	8	7	4
Wind Direction (deg)	198	203	198	180	150

Agromet Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of stem borer and blast disease in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control stem borer and to control blast disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If Brown Plant Hopper (BPH) infestation will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of Foot rot, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Maize:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. 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 15-35 °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 mancozeb/copper oxychloride 2g/litre water.

VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.
- 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.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

DrRanjan Kumar Mohanta
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR



Bulletin No.-439

Date- 26/09/2023

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

The block received average 08mm & district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was **32°C (-1°C from normal)** and **25°C (+1.3°C from normal)**, respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today(8.30IST) to 01st October (8.30IST)2023

Weather advisory: *Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate rainfall/Thundershower is forecasted in between other 3 days in the block.* The day temperature will be 32-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-96% and 50-61% 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)				
Date	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall(mm)	6	2	1	13	28
T-Max(°C)	32	32	33	33	34
T-Min(°C)	25	25	25	26	26
Cloud Cover(octa)	7	8	7	8	7
RH Max (%)	96	95	96	92	90
RH Min (%)	61	59	53	50	53
Wind Speed (Kmph)	10	9	8	7	5
Wind Direction (deg)	198	203	198	198	23

Agromet Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Sugarcane:

- **Due to anticipation of rainfall activities from Friday, farmers should pause irrigation in sugarcane.**

Prevailing hot weather favours the infestation of Mites, Mealy bug, Whitefly and scale insect in sugarcane. If mites will be found the spray spiromesifen 22.9% SC 1ml/litre of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control scale insects apply Dimethoate 2ml/litre water or methyl demeton 2ml/litre water. To control white fly go for spraying of Thiamethoxam 40 gram in 200litre water for one acre. Present weather conditions are congenial for **top rot** incidence in sugarcane. Based on severity of incidence go for spraying with carbendazim @ 1g or mancozeb @ 3 g/l for two times at an interval of 10-15 days.

VEGETABLES:

- **Maintain proper drainage in vegetable field to avoid water logging.**

- **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.
- For sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control **fruit and shoot borer** in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of **wilting** in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/litre.
- To avoid **damping off** in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR KANTAPADA



Bulletin No.-439

Date- 26/09/2023

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

The block received average 7mm & district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-1°C from normal) and 25°C (+1.3°C from normal), respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today (8.30 IST) to 01st October (8.30 IST) 2023

Weather advisory: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate rainfall/Thundershower is forecasted in between other 3 days in the block. The day temperature will be 32-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-95% and 53-65% 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)				
Date	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall (mm)	8	2	1	14	29
T-Max (°C)	32	32	33	33	33
T-Min (°C)	26	25	25	26	25
Cloud Cover (octa)	7	8	7	8	7
RH Max (%)	94	94	95	93	88
RH Min (%)	65	59	56	54	53
Wind Speed (Kmph)	10	10	9	7	5
Wind Direction (deg)	198	204	199	169	203

Agromet Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of stem borer and blast disease in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG/acre in 200 litres of water to control stem borer and to control blast disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If Brown Plant Hopper (BPH) infestation will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of Foot rot spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Sugarcane:

- Due to anticipation of rainfall activities from Friday, farmers should pause irrigation in 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/ltr of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control scale insects apply Dimethoate 2ml/ltr water or methyl demeton 2ml/ltr water. To control white fly go for spraying of Thiamethoxam 40 gram in 200ltr water for one acre. Present weather conditions are congenial for top rot incidence in sugarcane. Based on severity of incidence go for spraying with carbendazim @ 1g or mancozeb @ 3 g/l for two times at an interval of 10-15 days.

VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.
- 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.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-439

Date- 26/09/2023

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 06mm & district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-1°C from normal) and 25°C (+1.3°C from normal), respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today (8.30 IST) to 01st October (8.30 IST) 2023

Weather advisory: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate with isolated heavy rainfall/Thundershower is forecasted in between other 3 days in the block. The day temperature will be and it will be 31-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will 90-96% and 50-62% 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)				
Date	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall (mm)	6	2	1	14	32
T-Max (°C)	31	32	33	33	33
T-Min (°C)	25	25	25	26	26
Cloud Cover (octal)	7	8	7	8	7
RH Max (%)	95	94	96	90	90
RH Min (%)	62	59	54	50	53
Wind Speed (Kmph)	10	10	9	7	6
Wind Direction (deg)	198	204	199	161	101

Agro-met Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH) infestation** will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot** spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

• **Sugarcane:**

• **Due to anticipation of rainfall activities from Friday, farmers should pause irrigation in 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/ltr of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control scale insects apply Dimethoate 2ml/ltr water or methyl demeton 2ml/ltr water. To control white fly go for spraying of Thiamethoxam 40 gram in 200ltr water for one acre. Present weather conditions are congenial for **top rot** incidence in sugarcane. Based on severity of incidence go for spraying with carbendazim @ 1g or mancozeb @ 3 g/l for two times at an interval of 10-15 days.

• **VEGETABLES:**

• **Maintain proper drainage in vegetable field to avoid water logging.**

• **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.
- For sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control **fruit and shoot borer** in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of **wilting** in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid **damping off** in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta
 (Nodal officer)



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AGROMET ADVISORY BULLETIN FOR NARASINGHPUR



Bulletin No.-439

Date- 26/09/2023

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

The block received average 17mm& district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-1°C from normal) and 25°C (+1.3°C from normal), respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today(8.30IST) to 01st October (8.30IST)2023

Weather advisory: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate with isolated heavy rainfall/Thundershower is forecasted in between other 3days in the block. The day temperature will be 30-34°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-98% and 50-62% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall(mm)	7	3	2	7	34
T-Max(°C)	32	34	34	33	30
T-Min(°C)	24	23	24	24	23
Cloud Cover(octa)	7	8	7	8	8
RH Max (%)	98	97	98	96	91
RH Min (%)	58	60	53	50	62
Wind Speed (Kmph)	6	5	5	5	3
Wind Direction (deg)	180	180	163	23	23

Agromet Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of stem borer and blast disease in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control stem borer and to control blast disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If Brown Plant Hopper (BPH) infestation will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of Foot rot spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Maize:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 liter water. There may be chances of tobacco caterpillar in maize in between temperature 15-35 °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 mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.
- 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.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta
(Nodal officer)



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

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Bulletin No.-439

Date- 26/09/2023

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 08mm & district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-1°C from normal) and 25°C (+1.3°C from normal), respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today (8.30 IST) to 01st October (8.30 IST) 2023

Weather advisory: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate rainfall/Thundershower is forecasted in between other 3 days in the block. The day temperature will be 32-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-93% and 53-67% 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)				
Date	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall (mm)	9	2	1	16	28
T-Max (°C)	32	32	33	33	33
T-Min (°C)	26	26	26	26	25
Cloud Cover (octa)	7	8	7	8	7
RH Max (%)	92	92	93	93	87
RH Min (%)	67	61	58	57	53
Wind Speed (Kmph)	11	10	9	8	6
Wind Direction (deg)	203	204	203	169	225

Agromet Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of stem borer and blast disease in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control stem borer and to control blast disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If Brown Plant Hopper (BPH) infestation will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of Foot rot, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Sugarcane:

- Due to anticipation of rainfall activities from Friday, farmers should pause irrigation in 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/ltr of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control scale insects apply Dimethoate 2ml/ltr water or methyl demeton 2ml/ltr water. To control white fly go for spraying of Thiamethoxam 40 gram in 200ltr water for one acre. Present weather conditions are congenial for top rot incidence in sugarcane. Based on severity of incidence go for spraying with carbendazim @ 1g or mancozeb @ 3 g/l for two times at an interval of 10-15 days.

VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.

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.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 06mm & district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-1°C from normal) and 25°C (+1.3°C from normal), respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today (8.30IST) to 01st October (8.30IST) 2023

Weather advisory: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate with isolated heavy rainfall/thundershowers is forecasted in between other 3 days in the block. The day temperature will be 31-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-96% and 51-63% 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	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall (mm)	8	2	1	16	31
T-Max (°C)	31	32	33	33	33
T-Min (°C)	26	25	25	26	26
Cloud Cover (octa)	7	8	7	8	7
RH Max (%)	95	94	96	90	90
RH Min (%)	63	59	55	51	52
Wind Speed (Kmph)	10	10	9	8	6
Wind Direction (deg)	198	204	203	169	360

Agromet Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of stem borer and blast disease in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control stem borer and to control blast disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If Brown Plant Hopper (BPH) infestation will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of Foot rot, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Sugarcane:

- Due to anticipation of rainfall activities from Friday, farmers should pause irrigation in sugarcane.

Prevailing hot weather favours the infestation of Mites, Mealy bug, Whitefly and scale insect in sugarcane. If mites will be found the spray spiromesifen 22.9% SC 1ml/litre of water. To control mealy bug spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control scale insects apply Dimethoate 2ml/litre water or methyl demeton 2ml/litre water. To control white fly go for spraying of Thiamethoxam 40 gram in 200litre water for one acre. Present weather conditions are congenial for top rot incidence in sugarcane. Based on severity of incidence go for spraying with carbendazim @ 1g or mancozeb @ 3 g/l for two times at an interval of 10-15 days.

VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.
- 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.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/litre.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

Dr Ranjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-439
Date- 26/09/2023

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 08mm & district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-1°C from normal) and 25°C (+1.3°C from normal), respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today (8.30IST) to 01st October (8.30IST) 2023

Weather advisory:: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate rainfall/Thundershower is forecasted in between other 3 days in the block. The day temperature will be 31-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-96% and 51-63% 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	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall(mm)	7	2	1	15	27
T-Max(°C)	31	32	33	33	34
T-Min(°C)	26	25	25	26	26
Cloud Cover(octa)	7	8	7	8	7
RH Max (%)	95	94	96	90	90
RH Min (%)	63	59	55	51	52
Wind Speed (Kmph)	10	10	9	7	6
Wind Direction (deg)	198	204	199	169	108

Agromet Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control **stem borer** and to control **blast** disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If **Brown Plant Hopper (BPH)** infestation will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot** spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Maize:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. There may be **Aphids and Thrips** infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre. To control **stem borer** apply fipronil 5SC 400ml/acre in 200 liter water. There may be chances of **tobacco caterpillar** in maize in between temperature 15-35 °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 mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- **Maintain proper drainage in vegetable field to avoid water logging.**
- **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.
- For sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control **fruit and shoot borer** in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of **wilting** in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid **damping off** in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-439

Date- 26/09/2023

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 14mm& district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-1°C from normal) and 25°C (+1.3°C from normal), respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today(8.30IST) to 01st October (8.30IST)2023

Weather advisory: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate with isolated heavy rainfall/Thundershower is forecasted in between other 3 days in the block. The day temperature will be 31-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-90% and 55-68% 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	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall(mm)	6	2	1	14	32
T-Max(°C)	31	32	33	33	34
T-Min(°C)	26	25	25	26	26
Cloud Cover(octa)	6	8	7	8	6
RH Max (%)	88	88	89	90	87
RH Min (%)	68	64	61	62	55
Wind Speed (Kmph)	13	12	11	10	7
Wind Direction (deg)	214	207	214	169	158

Agromet Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of stem borer and blast disease in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control stem borer and to control blast disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If Brown Plant Hopper (BPH) infestation will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of Foot rot spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Maize:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 liter water. There may be chances of tobacco caterpillar in maize in between temperature 15-35 °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 mancozeb/copper oxychloride 2g/liter water.

VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.
- 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.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter.
- To avoid damping off in cauliflower seed treatment should be done with Carboxin 37.5% + Thiram 37.5% @ 2g/kg seeds. If the disease appear in nursery then drench the nursery soil with Metalaxyl 8% + Mancozeb 64% WP @ 2g/litre of water in a sunny days.

DrRanjan Kumar Mohanta
(Nodal officer)



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

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Bulletin No.-439

Date- 26/09/2023

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 10mm & district received average 13mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-1°C from normal) and 25°C (+1.3°C from normal), respectively. Mean relative humidity of the district was around 87-94%.

Forecasted period: Today (8.30 IST) to 01st October (8.30 IST) 2023

Weather advisory: Very light rainfall is forecasted for tomorrow and Thursday & Light to moderate with isolated heavy rainfall/Thundershower is forecasted in between other 3 days in the block. The day temperature will be 32-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-97% and 51-60% 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)				
Date	26/09/2023	27/09/2023	28/09/2023	29/09/2023	30/09/2023
Rainfall (mm)	8	2	1	9	33
T-Max (°C)	32	33	34	33	32
T-Min (°C)	25	24	24	25	25
Cloud Cover (octa)	7	8	7	8	8
RH Max (%)	97	96	97	94	91
RH Min (%)	60	60	53	51	58
Wind Speed (Kmph)	9	8	7	6	4
Wind Direction (deg)	180	180	169	135	60

Agro met Advisory

General advisory:

Farmers should harvest matured kharif Maize, green/black gram, groundnut and other vegetables by Thursday and make their safe storage. They should pause all agricultural activities like fertilizer, pesticide application and irrigation as well as sowing of unseasonal vegetables from Friday onwards in view of rainfall activities.

Kharif Rice

Drain out excess water from the field. Maintain about 5-10cm standing water during panicle initiation stage.

Weather based Disease and pest of rice

- Past cloudy and humid weather and the 20-25°C minimum temperature favors incidence of stem borer and blast disease in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or Flubendiamide 20 WG 50g/acre in 200 litres of water to control stem borer and to control blast disease spray Tebuconazole 50%+ Trifloxystrobin 25% @ 0.4g/litre or, Carbendazim 50 WP @ 2g/litre of water.
- If Brown Plant Hopper (BPH) infestation will observe in rice, go for alternate wetting and drying. 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 likely water logging situation in Cuttack district as well as in the blocks sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of Foot rot, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Maize:

Maize is at cob initiation stage. Maintain proper drainage channel in the field. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 litre 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 15-35 °C. To control the pest apply Thiodicarb 75% WP 400gram/acre in 200 litre 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 mancozeb/copper oxychloride 2g/litre water.

VEGETABLES:

- Maintain proper drainage in vegetable field to avoid water logging.
- 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.
- For sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To control fruit and shoot borer in Okra remove and burn all the infected plant parts.. Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water or Emamectin benzoate @ 60 gm or spinosad @ 70 ml per acre.
- After rainfall there may be chances of wilting in Brinjal and damping off dis in unseasonal cauliflower. To prevent from wilting or partial wilting in brinjal apply Neem or Karanjaa cake. And spray (basal + foliar) Tebuconazole fungicide @ 1ml/litre.
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MEGHDOOT APP	DAMINI APP	FACEBOOK (Damu Cuttack)	BLOCK SPECIFIC WHAT'S APP GROUPS	@DAMUCUTTACK

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

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

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