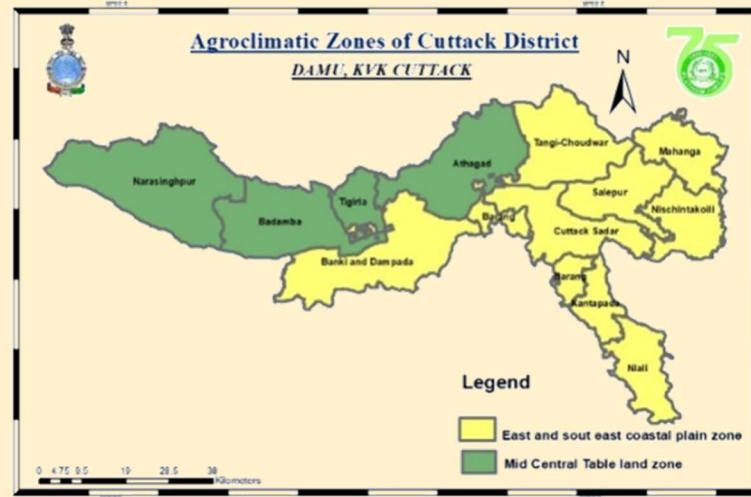




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday, 20th September, 2024
 (For the period 20th to 24th September,
 2024)*



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





STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<div style="text-align: center;"> <p>MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p>STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 15 AUGUST TO 11 SEPTEMBER 2024</p> </div>	<div style="text-align: center;"> <p>NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 36 (02.09.2024 to 08.09.2024) over Agricultural region</p> <p>Odisha</p> </div> <p style="text-align: center; font-size: small;">Agriculture vigour is moderate at isolated places of the state. NDVI could not be captured over remaining places due dense cloud cover or rainfall.</p>
<p><i>As per SPI value (cumulative 4weeks - 15 August to 11 September 2024), mildly wet condition was there in Cuttack district.</i></p>	<p><i>According to NDVI map (02.09.2024 to 08.09.2024) the agriculture vigor was moderate over some isolated places of Narasinghpur, Badamba, Tigiria, Banki, Dampada, Athagad, Cuttack Sadar, Baranga blocks and very light to light over all other blocks of Cuttack district.</i></p>

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

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



DrRanjan Kumar Mohanta
 (Nodal officer)

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GRAMIN KRISHI MAUSAM SEWA
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Bulletin No.-531
Date- 20/09/2024

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	Tillering to panicle initiation		Sheath blight
				Blast
				Stem/Foot rot
				Brown plant hopper
				Stem borer
				Gall midge
2	Sugarcane	6-7 month old		Red rot
				Rust
3	Maize	Tasseling to silking stage		Fall army worm



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				Banded leaf blight
				Downy mildew
4	Groundnut	Flowering to pegging/Harvesting		Collar rot
				Alternaria leaf spot
				Rust
4	Brinjal, tomoto, chilli	seedling		Seedling rot
				Stem rot
5	Tomato and brinjal	Fruting		Bacterial wilt
6	Pointed gourd			Fruit rot
7	Pumpkin(Cucurbits)	Flowering to fruting		Stem and root rot



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Bulletin No.-531
Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 10 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 32-36°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-96% and 47-65% respectively. **There will be partly cloudy to overcastsky for next 5days.**

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall (mm)	03	09	35	32	19
T-Max (°C)	35	36	33	32	32
T-Min (°C)	26	27	26	25	25
Cloud Cover (octa)	6	8	8	8	8
RH Max (%)	84	83	86	94	96
RH Min (%)	48	47	62	64	65
Wind Speed (kmph)	7	7	6	9	9
Wind Direction (deg)	203	23	60	77	152

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.

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

- **Forecasted 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:

- **Provide drainage facility.** Rainfall after a dry spell may aggravate infestation of **fall army worm in maize**, to control **fall armyworm** in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.

Rabi-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:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

Brinjal, tomato and chilli seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-531
Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 02 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The daytemperature will be 31-35°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-96% and 51-70% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	03	10	35	33	20
T-Max(°C)	35	35	33	31	31
T-Min(°C)	25	26	25	24	25
Cloud Cover(octa)	6	8	8	8	8
RH Max (%)	84	84	87	96	96
RH Min (%)	52	51	64	68	70
Wind Speed (Kmph)	7	7	6	7	8
Wind Direction (deg)	15	203	68	72	148

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythene cover to protect them from heavy/intense shower.

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

- **Forecasted 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:

- **Provide drainage facility.** Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.

Rabi-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:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

Brinjal, tomato and chilli seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



Dr Ranjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-531
Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR BANKI

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

The district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weatheradvisory:: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 31-36°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-96% and 47-67% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	04	08	34	31	18
T-Max(°C)	35	36	33	31	32
T-Min(°C)	25	26	26	25	25
Cloud Cover(octa)	6	8	8	8	8
RH Max (%)	84	82	86	95	96
RH Min (%)	49	47	63	67	66
Wind Speed (Kmph)	7	7	6	8	9
Wind Direction (deg)	203	240	68	79	153

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.

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

- Forecasted 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:

- **Provide drainage facility.** Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.

Rabi-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:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
 - Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline@20g with Carboxin+Thiram @400g or Metalaxyl 8%+Mancozeb 64% WP @400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
 - **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings** should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



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Bulletin No.-531
Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 19 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather Advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 31-36°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-96% and 47-68% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	04	08	34	31	18
T-Max(°C)	35	36	33	31	32
T-Min(°C)	25	26	26	25	25
Cloud Cover(octa)	6	8	8	8	8
RH Max (%)	84	82	86	95	96
RH Min (%)	49	47	63	68	66
Wind Speed (Kmph)	7	7	6	8	9
Wind Direction (deg)	203	23	68	77	153

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.

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

- Forecasted 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:

- Provide drainage facility. Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g/ac.

Rabi-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:

- Drain out excess water from the field. Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

Brinjal, tomato and chilli seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



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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.-531
Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 13 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 32-36°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-95% and 46-66% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	04	09	40	29	16
T-Max(°C)	35	36	33	32	32
T-Min(°C)	26	27	27	26	26
Cloud Cover	7	8	8	8	7
RH Max (%)	85	82	86	92	95
RH Min (%)	46	47	62	66	64
Wind Speed (Kmph)	7	8	6	9	9
Wind Direction (deg)	195	23	68	77	158

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythene cover to protect them from heavy/intense shower.

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

- Forecasted 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:**
- Provide drainage facility. Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate downy mildew disease in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of leaf blight in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.

Rabi-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:

- Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, wilting is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- Downy Mildew, vine rot, leaf spot and blight disease in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

Brinjal, tomato and chilliseedlings should be planted in the main field. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.



DrRanjan Kumar Mohanta
(Nodal officer)

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

Bulletin No.-531
Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 09 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 32-36°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-95% and 47-63% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	04	10	40	30	18
T-Max(°C)	35	36	33	33	32
T-Min(°C)	26	27	27	26	26
Cloud Cover(octa)	7	8	8	8	7
RH Max (%)	84	83	85	93	95
RH Min (%)	47	48	62	63	63
Wind Speed (Kmph)	7	7	6	9	9
Wind Direction (deg)	195	330	68	77	153

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythine cover to protect them from heavy/intense shower.

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

- Forecasted 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:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

Rabi-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:

- Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, wilting is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @20g with Carboxin+Thiram @400g or Metalaxyl 8%+Mancozeb 64% WP @400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- Downy Mildew, vine rot, leaf spot and blight disease in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval. Brinjal, tomato and chill seedlings should be planted in the main field. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits: In Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot. 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 Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-531
Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 28 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 31-36°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-93% and 47-68% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Kantapada(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	04	09	40	28	17
T-Max(°C)	35	36	33	31	32
T-Min(°C)	26	27	27	26	27
Cloud Cover(octa)	6	8	8	8	7
RH Max (%)	86	82	86	91	93
RH Min (%)	47	47	66	68	64
Wind Speed (Kmph)	8	8	6	9	9
Wind Direction (deg)	195	23	105	90	161

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.

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

- Forecasted 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:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

Rabi-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:

- Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, wilting is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @20g with Carboxin+Thiram @400g or Metalaxyl 8%+Mancozeb 64% WP @400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- Downy Mildew, vine rot, leaf spot and blight disease in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval. Brinjal, tomato and chill seedlings should be planted in the main field. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits: In Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot. 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 Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-531
Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 12 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be and it will be 32-36°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-94% and 47-65% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	03	08	39	27	17
T-Max(°C)	35	36	33	32	33
T-Min(°C)	26	27	27	26	26
Cloud Cover(octal)	6	8	8	8	7
RH Max (%)	86	84	86	92	94
RH Min (%)	47	49	64	65	61
Wind Speed (Kmph)	8	7	6	9	8
Wind Direction (deg)	113	23	68	90	158

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.

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

- **Forecasted 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:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For **Red rot**, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

Rabi-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:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval. Brinjal, tomato and chill seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits: In Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot. 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 Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



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Bulletin No.-531
Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 04 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 30-35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-97% and 52-72% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	03	10	35	34	20
T-Max(°C)	35	35	32	30	30
T-Min(°C)	24	25	25	24	24
Cloud Cover(/octa)	7	8	8	8	8
RH Max (%)	86	86	89	97	97
RH Min (%)	52	52	64	72	71
Wind Speed (Kmph)	5	5	4	5	6
Wind Direction (deg)	15	203	68	81	135

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.

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

- Forecasted 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:

- **Provide drainage facility.** Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.

Rabi-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:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

Brinjal, tomato and chilli seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



Dr Ranjan Kumar Mohanta
(Nodal officer)

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



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

Bulletin No.-531
 Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 07 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 31-36°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-92% and 47-67% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	04	08	38	27	17
T-Max(°C)	35	36	33	31	32
T-Min(°C)	26	27	26	26	27
Cloud Cover(octa)	6	8	8	8	7
RH Max (%)	87	81	87	89	92
RH Min (%)	47	47	67	67	64
Wind Speed(Kmph)	8	9	7	9	9
Wind Direction(deg)	158	23	68	101	180

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.

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

- **Forecasted 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:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For **Red rot**, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

Rabi-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:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval. Brinjal, tomato and chill seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits: In Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot. 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 Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



DrRanjan Kumar Mohanta
 (Nodal officer)

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Bulletin No.-531
Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 13 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 32-36°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-93% and 47-66% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Nischintakoili(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	04	10	40	30	18
T-Max(°C)	35	36	33	32	32
T-Min(°C)	26	27	27	26	26
Cloud Cover(octa)	6	8	8	8	7
RH Max (%)	86	83	86	91	93
RH Min (%)	47	48	64	66	62
Wind Speed (Kmph)	8	7	6	9	8
Wind Direction (deg)	113	30	63	90	158

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.

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

- Forecasted 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:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chloropyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For **Red rot**, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

Rabi-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:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval. Brinjal, tomato and chill seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits: In Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot. 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 Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



DrRanjan Kumar Mohanta
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Bulletin No.-531
Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 15 mm and district received average 12 mm rainfall during the last week. **The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively.** The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 32-36°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-94% and 47-66% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	04	10	40	30	18
T-Max(°C)	35	36	33	32	32
T-Min(°C)	26	27	27	26	26
Cloud Cover(octa)	6	8	8	8	7
RH Max (%)	86	83	86	92	94
RH Min (%)	47	48	64	66	62
Wind Speed (Kmph)	8	7	6	9	8
Wind Direction (deg)	113	30	68	90	158

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.

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

- **Forecasted 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:** Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For **Red rot**, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

Rabi-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:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval. Brinjal, tomato and chill seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.

Fruits: In Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot. 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 Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.



DrRanjan Kumar Mohanta
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Bulletin No.-531
Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 11 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 32-35°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-88% and 52-69% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Tangi-Choudwar(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	03	08	35	32	18
T-Max(°C)	35	35	32	32	33
T-Min(°C)	27	28	28	28	27
Cloud Cover(octa)	5	8	8	8	7
RH Max (%)	87	80	84	85	88
RH Min (%)	53	52	69	69	65
Wind Speed (Kmph)	10	9	7	11	11
Wind Direction (deg)	113	23	360	135	197

Agromet Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with polythene cover to protect them from heavy/intense shower.

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

- Forecasted 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:

- **Provide drainage facility.** Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.

Rabi-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:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline@20g with Carboxin+Thiram @400g or Metalaxyl 8%+Mancozeb 64% WP @400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

Brinjal, tomato and chilli seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



DrRanjan Kumar Mohanta
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Bulletin No.-531
 Date- 20/09/2024

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 06 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.91°C (-0.73 from normal) and 24.52°C (+0.48 from normal), respectively. The mean relative humidity was 73-88%.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall /thundershower is forecasted for Sunday to Tuesday and very light to light rainfall is forecasted for other 2days in the block. The day temperature will be 32-36°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-97% and 48-68% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Tigiria(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/09/2024	21/09/2024	22/09/2024	23/09/2024	24/09/2024
Rainfall(mm)	03	08	35	33	19
T-Max(°C)	35	36	33	32	32
T-Min(°C)	26	26	26	25	25
Cloud Cover(octa)	6	8	8	8	8
RH Max (%)	85	83	87	95	97
RH Min (%)	49	48	64	65	68
Wind Speed (Kmph)	7	7	6	8	9
Wind Direction (deg)	203	203	68	73	152

Agro met Advisory

General advisory: Drain out excess rain water from crop fields. They should stop all type of farm operational activities on Sunday to Monday as isolated heavy rainfall is forecasted. They should harvest matured vegetables and fruits before the rainfall activities & cover young seedlings with ploythine cover to protect them from heavy/intense shower.

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

- Forecasted 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:

- **Provide drainage facility.** Rainfall after a dry spell may aggravate infestation of fall army worm in maize, to control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. High humidity (>90%) and decrease in temperature (21-33°C) and continuous rain in the forecasted days may aggravate **downy mildew disease** in Maize. High humid conditions, temperature between 18-27 Deg. Celsius favors the occurrence of **leaf blight** in Maize. To control both disease spray Azoxystrobin + Mancozeb @ 300 g /ac.

Rabi-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:

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline@20g with Carboxin+Thiram @400g or Metalaxyl 8%+Mancozeb 64% WP @400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre. Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

Brinjal, tomato and chilli seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.



DrRanjan Kumar Mohanta
 (Nodal officer)

Follow Meghdoot Mobile APP for Agromet
 advisories in local language and DAMINI
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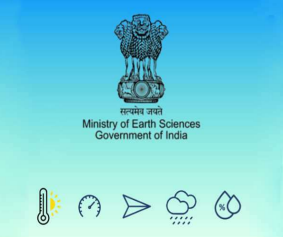
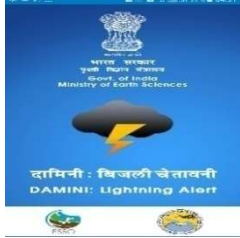


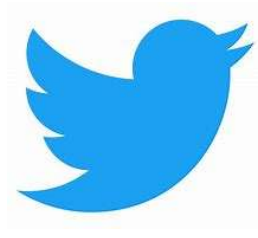






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MEGHDOOT APP	DAMINI APP	FACEBOOK (Damu Cuttack)	BLOCK SPECIFIC WHAT'S APP GROUPS	@DAMUCUTTACK

- 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://imdagrismet.gov.in/imdproject/AGIndex.php	



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