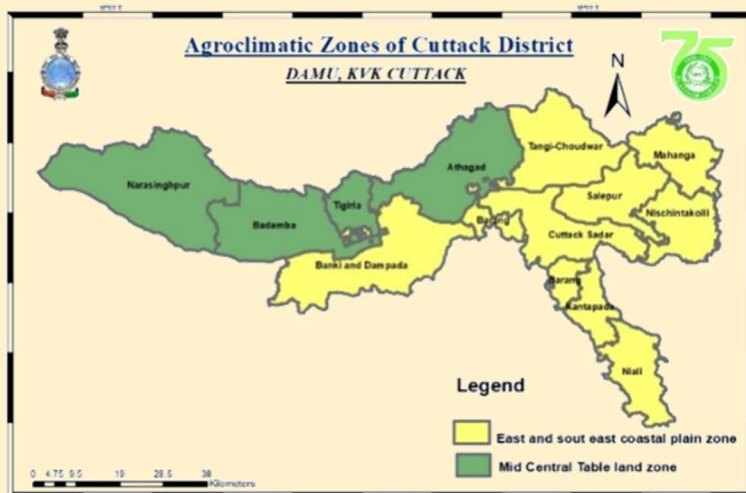




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday 20th September, 2022
(For the period 20th to 24th
September, 2022)*



*Issued by
District Agromet Unit,
KrishiVigyan Kendra Cuttack*



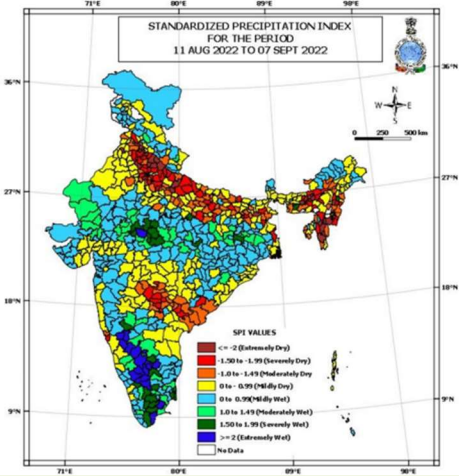
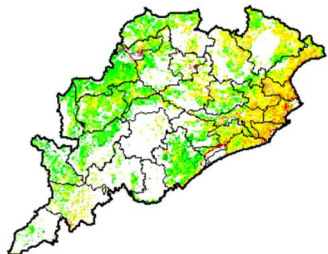


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Bulletin No.-332
Date- 20/09/2022

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 11th August 2022 to 07th September 2022.</p> <p style="text-align: center;">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p>  <p style="text-align: center;">STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 11 AUG 2022 TO 07 SEPT 2022</p> <p style="text-align: center;">SPI VALUES</p> <ul style="list-style-type: none"> < -2 (Extremely Dry) -1.50 to -1.99 (Extremely Dry) -1.00 to -1.49 (Moderately Dry) -0.50 to -0.99 (Mildly Dry) 0 to 0.49 (Mildly Wet) 0.50 to 0.99 (Moderately Wet) 1.00 to 1.49 (Extremely Wet) 1.50 to 1.99 (Extremely Wet) > 2 (Extremely Wet) No Data 	<p style="text-align: center;">NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 37 (10.09.2022 to 16.09.2022) over Agricultural region</p> <p style="text-align: center;">Odisha</p>  <p style="text-align: center;">Agriculture vigour is good at isolated places and moderate over few places of the state.</p>
<p><i>As per SPI value (cumulative 4weeks -11 August 2022 – 07 September 2022), mild dry condition was there in Cuttack district.</i></p>	<p><i>According to NDVI map (10.09.2022 to 16.09.2022) the agriculture vigor was very light to light over most places of Cuttack district and light to moderate over isolated places of Badamba, Narasinghpur, Athagad, Tigirao only.</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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
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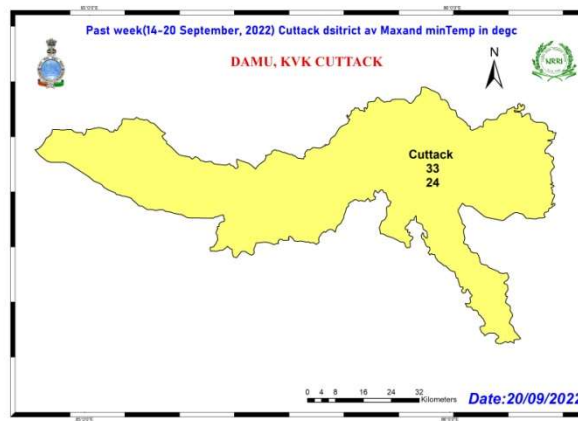
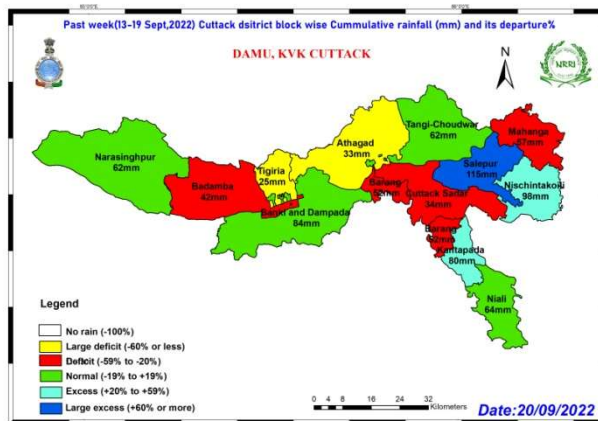


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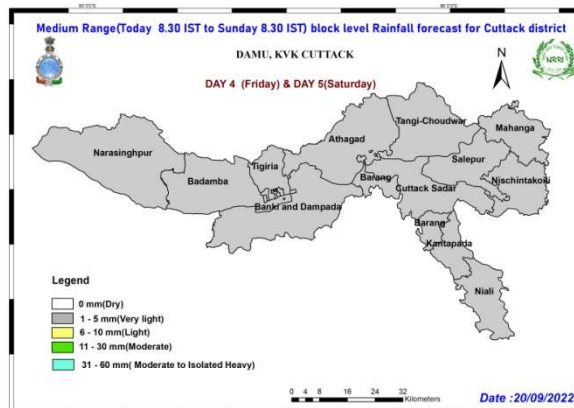
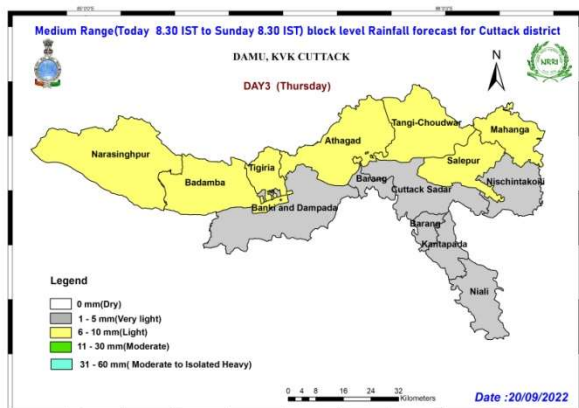
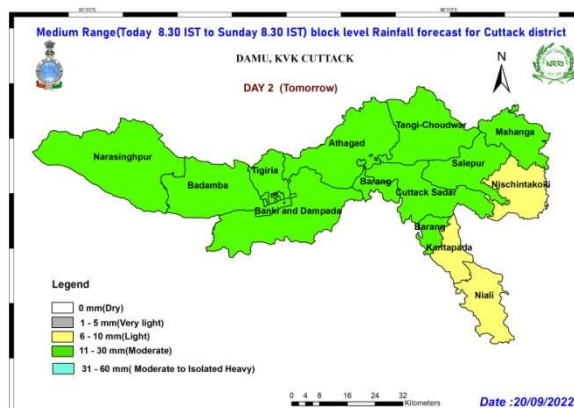
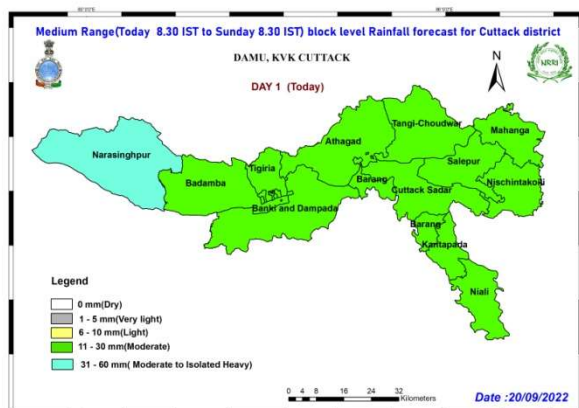


Bulletin No.-332
Date- 20/09/2022

Past week (13-19 September, 2022) cumulative rainfall departure% from normal and (14-20 September, 2022) average maximum and minimum temperature for Cuttack district



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



Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-332
 Date- 20/09/2022

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (25 September-01 October 2022)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	-7.05	Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	0.01	Normal
	Minimum temperature	0.14	Normal

General Agromet Advisory-: There will be **normal rainfall is forecasted in subsequent week after 5 days in Odisha condition**, so farmers are advised to complete sowing and transplanting of pre rabi vegetables in the subsequent week by utilizing the rain water and should make proper drainage system to drainout excess water from vegetable field.

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 (Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

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

Dr Sujata Sethy
(Nodal officer)



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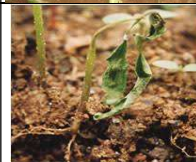








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				Banded leaf blight
				Downy mildew
4	Brinjal, tomato, chilli	Seedling		Seedling rot
				Stem rot
5	Tomato and brinjal	Fruting		Bacterial wilt
6	Pointed gourd			Fruit rot
7	Pumpkin(Cucurbits)	Flowering to fruting		Stem and root rot
8	Banana			Sigatoka
				Panama wilt

Dr Sujata Sethy
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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 4mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25th September(8.30IST)2022

Weather advisory: *Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block.* The day temperature will be 31-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-93% and 57-67% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall (mm)	18	11	8	2	1
T-Max (°C)	31	32	33	32	31
T-Min (°C)	25	25	25	24	25
Cloud Cover (octa)	6	5	5	6	7
RH Max (%)	91	93	89	90	87
RH Min (%)	67	60	61	57	60
Wind Speed (kmph)	9	10	10	9	7
Wind Direction (deg)	189	158	158	283	293

Agromet Advisory

General advisory: *Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on non rainy days. They should harvest matured vegetables and crops in the dry days.*

Kharif Rice

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

Weather based Disease and pest of rice

- **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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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 army worm** 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.

- **VEGETABLES:** **Drain out excess water from the field.** Due to rain and high humidity in past week, 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, off season cauliflower** 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:

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 6mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 31-32°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-92% and 58-68% 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)				
Date	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	26	15	9	2	1
T-Max(°C)	31	32	32	32	31
T-Min(°C)	25	25	25	24	24
Cloud Cover(octa)	7	5	5	6	7
RH Max (%)	91	92	90	89	90
RH Min (%)	68	62	63	58	62
Wind Speed (Kmph)	7	8	8	7	6
Wind Direction (deg)	197	158	161	279	300

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.

Kharif Rice

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

Weather based Disease and pest of rice

- 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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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.
- **VEGETABLES:** Drain out excess water from the field. Due to rain and high humidity in past week, 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, off season cauliflower** 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:

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25thSeptember (8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 31-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-91% and 56-67% 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	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	15	11	6	1	1
T-Max(°C)	31	32	33	32	31
T-Min(°C)	25	25	25	24	25
Cloud Cover(octa)	7	5	5	6	7
RH Max (%)	90	91	88	88	88
RH Min (%)	67	60	60	56	59
Wind Speed (Kmph)	8	10	10	8	6
Wind Direction (deg)	197	158	161	279	300

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.

Kharif Rice

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

Weather based Disease and pest of rice

- 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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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.
- VEGETABLES:** **Drain out excess water from the field.** Due to rain and high humidity in past week, 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 litres 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, off season cauliflower** 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:** Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for Panama wilt of Banana disease.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 12mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2022

Weather Advisory:: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 31-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-91% and 56-68% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	13	11	6	1	1
T-Max(°C)	31	32	33	32	31
T-Min(°C)	25	25	25	24	25
Cloud Cover(octa)	7	5	5	6	7
RH Max (%)	90	91	88	89	88
RH Min (%)	68	60	60	56	59
Wind Speed (Kmph)	9	10	10	9	6
Wind Direction (deg)	197	159	161	279	293

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.

Kharif Rice

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

Weather based Disease and pest of rice

- **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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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.
- **VEGETABLES:** **Drain out excess water from the field.** Due to rain and high humidity in past week, 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, off season cauliflower** 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:** Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 7mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25thSeptember (8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for 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 86-91% and 54-65% 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	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	14	11	4	2	1
T-Max(°C)	31	32	33	32	32
T-Min(°C)	25	26	25	25	25
Cloud Cover	6	4	4	6	7
RH Max (%)	90	91	89	89	86
RH Min (%)	65	59	60	56	54
Wind Speed (Kmph)	11	12	12	10	7
Wind Direction (deg)	204	158	165	290	207

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.

Kharif Rice

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

Weather based Disease and pest of rice

- 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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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 army worm 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.

- **VEGETABLES:** Drain out excess water from the field. Due to rain and high humidity in past week, 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 litres 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, off season cauliflower** 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: Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 5mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25thSeptember (8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 32-33°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-92% and 56-64% 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	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	14	11	4	2	1
T-Max(°C)	32	32	33	32	32
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	6	4	4	6	7
RH Max (%)	90	92	89	89	85
RH Min (%)	64	59	59	57	56
Wind Speed (Kmph)	10	12	11	10	8
Wind Direction (deg)	203	158	165	287	293

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.

Kharif Rice

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

Weather based Disease and pest of rice

- 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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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.
- **VEGETABLES:** **Drain out excess water from the field.** Due to rain and high humidity in past week, 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, off season cauliflower** 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:

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 11mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2022

Weather advisory: *Moderate rainfall is forecasted for today and very light to light rainfall is forecasted for other 4 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 86-89% and 51-65% 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	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	12	8	3	4	1
T-Max(°C)	31	32	33	32	33
T-Min(°C)	25	26	26	25	26
Cloud Cover(octa)	6	4	4	6	7
RH Max (%)	88	89	89	88	86
RH Min (%)	65	59	61	59	51
Wind Speed (Kmph)	11	12	12	10	8
Wind Direction (deg)	204	162	180	248	225

Agromet Advisory

General advisory: *Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.*

Kharif Rice

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

Weather based Disease and pest of rice

- **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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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.
- **VEGETABLES:** **Drain out excess water from the field.** Due to rain and high humidity in past week, 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, off season cauliflower** 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:

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 8mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be and it will be 32-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-91% and 54-61% 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	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	14	11	6	4	4
T-Max(°C)	32	32	33	32	32
T-Min(°C)	25	25	26	25	25
Cloud Cover(octal)	6	4	4	6	7
RH Max (%)	89	91	90	89	85
RH Min (%)	61	59	61	61	54
Wind Speed (Kmph)	12	12	12	10	9
Wind Direction (deg)	204	159	160	270	259

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.

Kharif Rice

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

Weather based Disease and pest of rice

- **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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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.
- **VEGETABLES: Drain out excess water from the field.** Due to rain and high humidity in past week, 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, off season cauliflower** 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:

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 9mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2022

Weather advisory: Moderate to isolated heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 31-32°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-93% and 60-68% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	31	15	9	2	1
T-Max(°C)	31	32	32	32	31
T-Min(°C)	24	25	24	23	24
Cloud Cover(octa)	7	5	6	6	7
RH Max (%)	93	93	92	90	92
RH Min (%)	68	64	61	60	60
Wind Speed (Kmph)	5	7	6	6	5
Wind Direction (deg)	200	160	153	270	293

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.

Kharif Rice

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

Weather based Disease and pest of rice

- 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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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 army worm 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.
- VEGETABLES:** **Drain out excess water from the field.** Due to rain and high humidity in past week, 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, off season cauliflower** 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: Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 9mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and very light to light rainfall is forecasted for other 4 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 86-88% and 50-66% 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	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	16	8	4	5	2
T-Max(°C)	31	32	33	32	33
T-Min(°C)	25	26	26	25	26
Cloud Cover(octa)	6	4	3	5	7
RH Max (%)	87	87	88	88	86
RH Min (%)	66	60	63	60	50
Wind Speed(Kmph)	13	13	13	10	9
Wind Direction(deg)	204	193	180	270	225

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.

Kharif Rice

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

Weather based Disease and pest of rice

- 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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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 Quinalphos @ 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.
- **VEGETABLES:** Drain out excess water from the field. Due to rain and high humidity in past week, 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, off season cauliflower** 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:

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI
District Past week average weather condition and Block past week average Rainfall condition

The block received average 14mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25thSeptember (8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and very light to light rainfall is forecasted for other 4 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 85-90% and 54-62% 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	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	13	7	3	5	2
T-Max(°C)	32	32	33	32	33
T-Min(°C)	25	26	26	25	25
Cloud Cover(octa)	6	3	3	6	7
RH Max (%)	89	90	89	89	85
RH Min (%)	62	59	61	62	54
Wind Speed (Kmph)	12	13	12	10	8
Wind Direction (deg)	204	159	165	270	248

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.

Khari Rice

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

Weather based Disease and pest of rice

- **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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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 Quinalophos @ 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.
- **VEGETABLES: Drain out excess water from the field.** Due to rain and high humidity in past week, 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, off season cauliflower** 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:

Banana Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of 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.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 16mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25thSeptember (8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for 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 85-91% and 54-62% 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	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	15	11	6	5	2
T-Max(°C)	31	32	33	32	33
T-Min(°C)	25	26	26	25	25
Cloud Cover(octa)	6	4	3	6	7
RH Max (%)	90	91	89	89	85
RH Min (%)	62	59	60	60	54
Wind Speed (Kmph)	12	12	12	10	8
Wind Direction (deg)	204	159	165	270	259

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.

Kharif Rice

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

Weather based Disease and pest of rice

- 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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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.
- VEGETABLES:** **Drain out excess water from the field.** Due to rain and high humidity in past week, 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, off season cauliflower** 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: Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 9mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25th September (8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for 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 82-87% and 55-70% 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	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	13	11	6	5	2
T-Max(°C)	31	32	33	32	33
T-Min(°C)	25	26	26	25	25
Cloud Cover(octa)	6	3	3	5	7
RH Max (%)	82	84	87	87	84
RH Min (%)	67	67	70	63	55
Wind Speed (Kmph)	16	17	16	11	11
Wind Direction (deg)	201	198	189	248	216

Agromet Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.

Kharif Rice

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

Weather based Disease and pest of rice

- 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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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 army worm 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.
- VEGETABLES:** Drain out excess water from the field. Due to rain and high humidity in past week, 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, off season cauliflower** 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:

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-332
Date- 20/09/2022

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 4mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.7°C (+0.07) and 24.4°C (+0.03), respectively.

Forecasted period: Today(8.30IST) to 25th September(8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 31-32°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-93% and 58-68% 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	20/09/2022	21/09/2022	22/09/2022	23/09/2022	24/09/2022
Rainfall(mm)	23	11	7	2	1
T-Max(°C)	31	32	32	32	31
T-Min(°C)	25	25	25	24	25
Cloud Cover(octa)	7	5	5	6	7
RH Max (%)	91	93	90	91	89
RH Min (%)	68	63	64	58	62
Wind Speed (Kmph)	8	9	9	8	6
Wind Direction (deg)	189	156	158	283	293

Agro met Advisory

General advisory: Keep the drainage channels open to drain out excess rain water from crop fields. They should resume irrigation, pesticide and fertilizer application activities on Friday and Saturday based upon nowcast warnings. They should harvest matured vegetables and crops in the dry days.

Kharif Rice

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

Weather based Disease and pest of rice

- **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, Cartap hydrochloride 4G @ 10kg/acre 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. Make a gap after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field.
- In **Gall midge** affected due to continuous cloudy and rainy weather in late transplanted rice apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest.
- Due to 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 army worm 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.
- **VEGETABLES:** **Drain out excess water from the field.** Due to rain and high humidity in past week, 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 litres 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, off season cauliflower** 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: Banana Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot disease in banana**. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of 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.-332
Date- 20/09/2022

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

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

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