

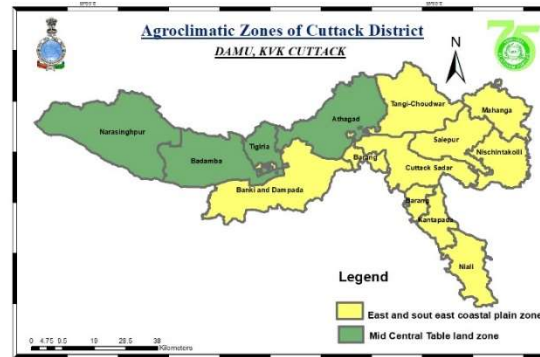


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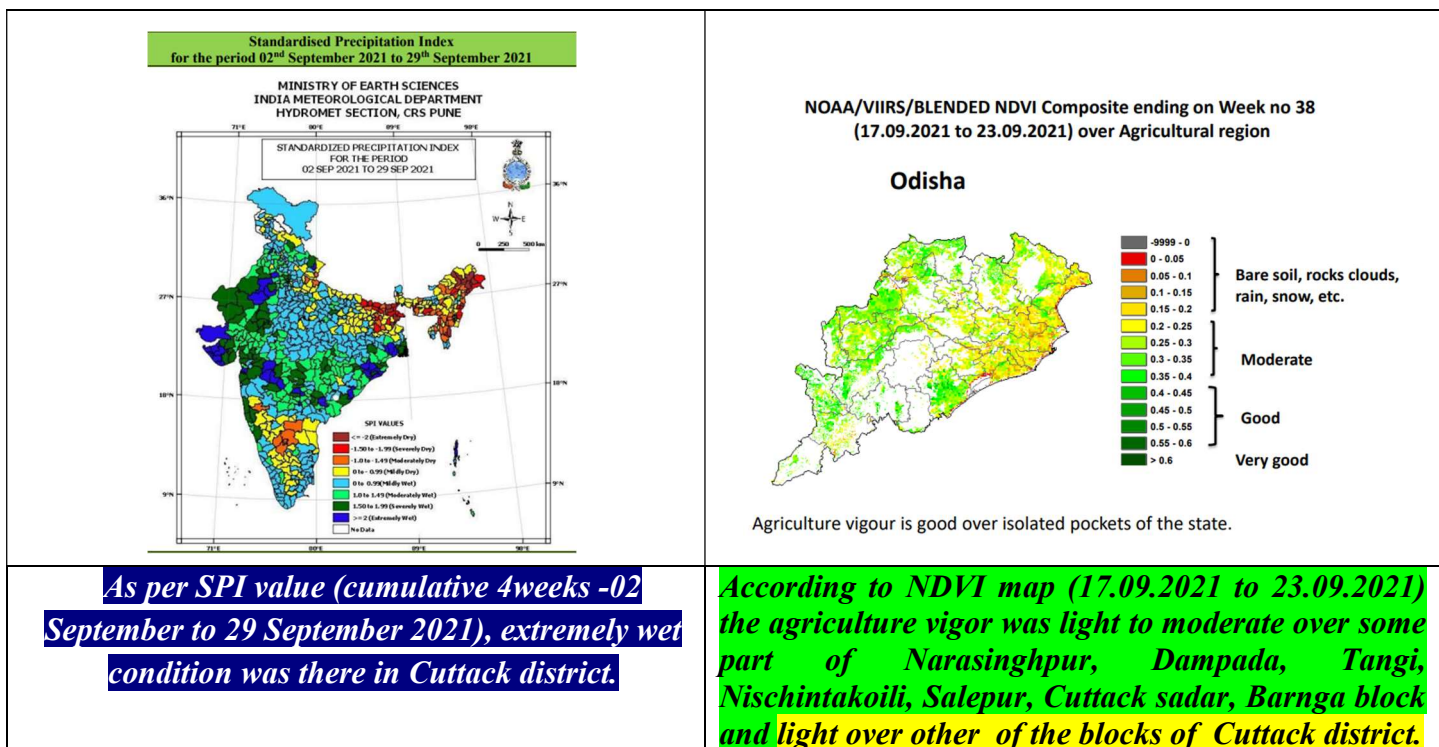


**Bulletin No.-233**  
**Date- 01/10/2021**

## AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



## STANDARD PRECIPITATION INDEX AND NDVI MAP



<b>LEGEND (Medium range block level rainfall forecast)</b>		
	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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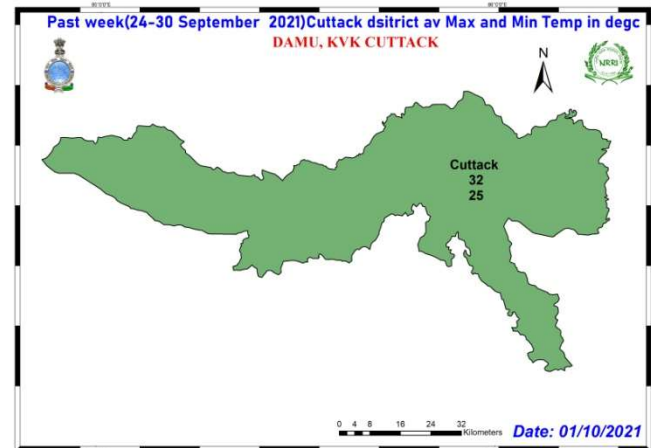
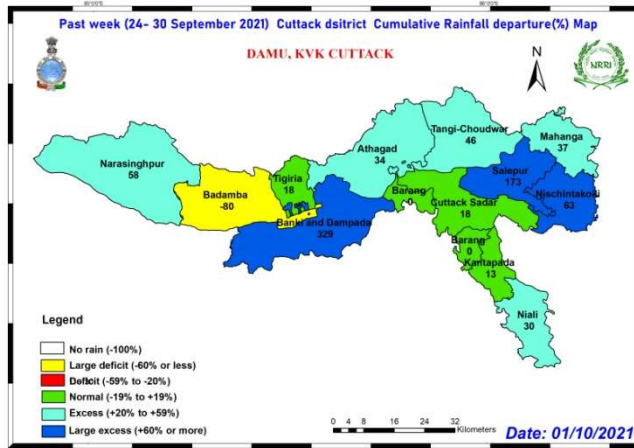


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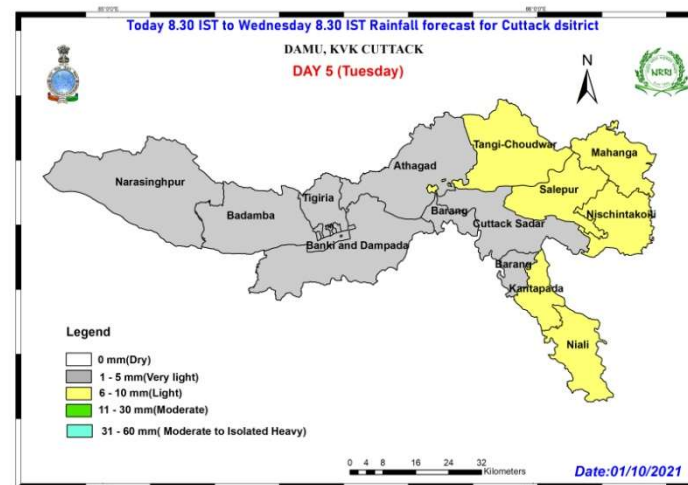
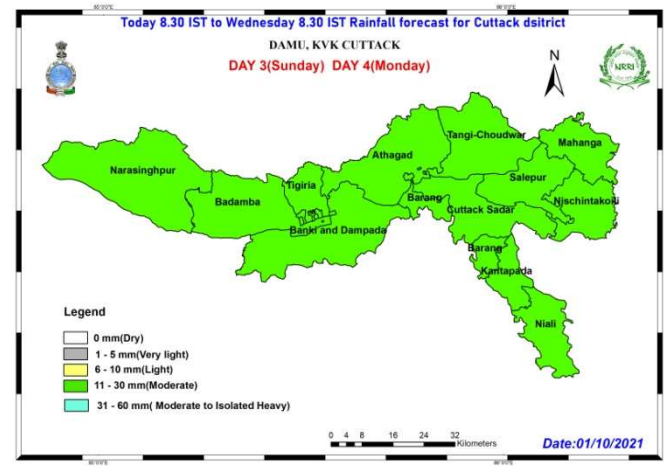
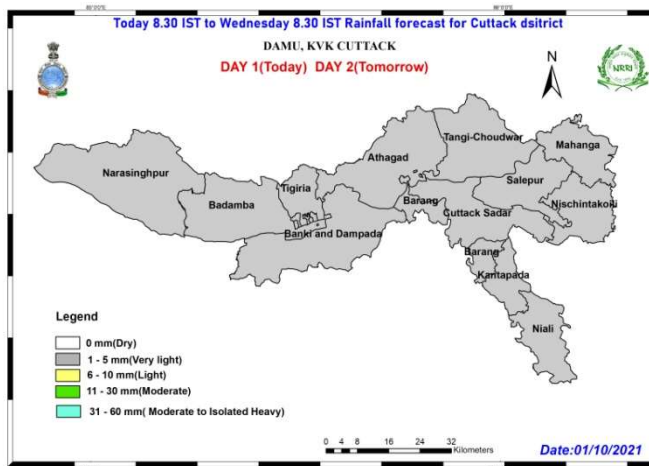


Bulletin No.-233  
Date- 01/10/2021

**Past week (24-30 September 2021) Cuttack district Cumulative Rainfall departure (%) and average Temperature map**



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



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**Bulletin No.-233**  
**Date- 01/10/2021**

**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
				Stem/Foot rot
				Leaf streak
				Mealy bug
				Hispa
				Caseworm
2	Sugarcane	4-5 month old		Red rot
				Rust
3	Maize	Cob development stage		Aphid/thrips

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				<b>Stem borer</b>
4	Brinjal, tomato, chilli	seedling		<b>Seedling rot</b>
5	Tomato and brinjal	Fruting		<b>Bacterial wilt</b>
				<b>Fruit and shoot borer</b>
6	Pointed gourd			<b>Fruit rot</b>
7	Cucurbits	Flowering to fruting		<b>Stem and root rot</b>
				<b>Downy mildew</b>
8	Cowpea			<b>Aphid</b>
9	Banana			<b>Sigatoka</b>
				<b>Panama wilt</b>
10	Papaya			<b>foot rot</b>

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**Bulletin No.-233**  
**Date- 01/10/2021**

**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

**The block received average 8mm and district received average 9mm rainfall during the last week.** The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forested for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 33-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-97% and 59-62% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall (mm)	5	4	11	12	4
T-Max (°C)	33	35	34	33	33
T-Min (°C)	25	26	25	26	26
Cloud Cover (octa)	6	6	8	7	7
RH Max (%)	97	93	95	96	96
RH Min (%)	62	60	59	62	61
Wind Speed (kmph)	11	12	9	11	11
Wind Direction (deg)	203	207	204	193	203

**Agromet Advisory**

**General advisory:** **Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot** spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Maize:**
- Maize is at cob development and harvesting stage. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 ltr water.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

- Past rainy weather conditions were 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. Past weather conditions are favourable for the incidence of **foot rot in Papaya**. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L.
- **Animal husbandry:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

**Dr Sujata Sethy**  
**(Nodal officer)**



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**Bulletin No.-233**  
**Date- 01/10/2021**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received average 1mm and district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 33-35°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 94-97% and 58-63% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	5	3	12	11	4
T-Max(°C)	33	35	34	33	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	6	6	8	7	7
RH Max (%)	97	95	94	97	96
RH Min (%)	62	60	58	63	60
Wind Speed (Kmph)	10	9	6	9	10
Wind Direction (deg)	201	207	206	193	201

**Agromet Advisory**

**General advisory:** Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot** spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- Maize:**
- Maize is at cob development and harvesting stage. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 litre water.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

- Past rainy weather conditions were 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. Past weather conditions are favourable for the incidence of **foot rot in Papaya**. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L.
- Animal husbandry:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

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**(Nodal officer)**



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Bulletin No.-233  
Date- 01/10/2021

**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week average weather condition**

**The district received average 9mm rainfall during the last week.** The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forecasted for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block.** Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 33-35°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-96% and 59-61% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	2	2	11	11	4
T-Max(°C)	33	35	34	33	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	6	5	8	7	7
RH Max (%)	96	93	94	96	95
RH Min (%)	61	59	60	61	60
Wind Speed (Kmph)	11	12	8	11	11
Wind Direction (deg)	203	207	203	201	201

**Agromet Advisory**

**General advisory:** **Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 litre water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
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- **Maize:**
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**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases.** To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

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Bulletin No.-233  
 Date- 01/10/2021

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA**

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

The block received average 28mm and district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather Advisory:** Moderate rainfall/thundershower is forecasted for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 33-35°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-96% and 60-61% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	2	2	11	12	5
T-Max(°C)	33	35	34	33	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	6	5	8	7	7
RH Max (%)	96	93	94	96	95
RH Min (%)	61	60	61	61	60
Wind Speed (Kmph)	11	12	9	11	11
Wind Direction (deg)	203	207	203	201	203

**Agromet Advisory**

**General advisory:** Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 litre water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot** spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- Maize:**
- Maize is at cob development and harvesting stage. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 litre water.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

- Past rainy weather conditions were favourable for the incidence and spread of **sigatoka leaf spot disease in Banana**. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendazim 0.2% or Propiconazole 0.5 ml/ litre once in a month for Panama wilt of Banana disease. Past weather conditions are favourable for the incidence of **foot rot in Papaya**. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L.
- Animal husbandry:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

Dr Sujata Sethy  
 (Nodal officer)



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Bulletin No.-233  
 Date- 01/10/2021

**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 9mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 32-34°C and night temperature will be 26°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-96% and 61-63% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	3	2	15	12	5
T-Max(°C)	32	34	33	33	33
T-Min(°C)	26	26	26	26	26
Cloud Cover	6	5	8	7	7
RH Max (%)	96	92	95	95	95
RH Min (%)	63	63	61	63	63
Wind Speed (Kmph)	12	15	12	12	11
Wind Direction (deg)	203	204	203	203	203

**Agromet Advisory**

**General advisory:** Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot** spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- Maize:**
- Maize is at cob development and harvesting stage. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 litre water.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent wilting in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

- Past rainy weather conditions were 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. Past weather conditions are favourable for the incidence of **foot rot in Papaya**. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L.
- Animal husbandry:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

Dr Sujata Sethy  
 (Nodal officer)



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**Bulletin No.-233**  
**Date- 01/10/2021**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

**The block received average 6mm and district received average 9mm rainfall during the last week.** The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forecasted for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 33-34°C and night temperature will be 26°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-96% and 61-62% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	3	2	11	12	5
T-Max(°C)	33	34	34	33	33
T-Min(°C)	26	26	26	26	26
Cloud Cover(octa)	6	5	8	7	7
RH Max (%)	96	92	95	95	96
RH Min (%)	62	62	61	62	62
Wind Speed (Kmph)	11	14	11	11	11
Wind Direction (deg)	203	204	204	203	203

**Agromet Advisory**

**General advisory:** **Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week 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. Due to the water logging in rainy season, 70-90% Humidity & 30 deg. cent temperatures favours the incidence of **Rust disease**, to control this disease spray Azoxystrobin 18.2%sc or Difenconazole 11.4%sc @ 1ml/ltr of water in dry days. 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.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

- Past rainy weather conditions were 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. Past weather conditions are favourable for the incidence of **foot rot in Papaya**. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L.
- Animal husbandry:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

**Dr Sujata Sethy**  
**(Nodal officer)**



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**Bulletin No.-233**  
**Date- 01/10/2021**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

**The block received average 8mm and district received average 9mm rainfall during the last week.** The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forecasted for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 32-33°C and night temperature will be 26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-94% and 63-67% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	2	3	12	12	6
T-Max(°C)	32	33	33	32	32
T-Min(°C)	26	26	26	26	26
Cloud Cover(octa)	6	5	8	7	7
RH Max (%)	94	91	94	93	94
RH Min (%)	63	66	64	67	67
Wind Speed (Kmph)	12	16	13	12	11
Wind Direction (deg)	203	203	203	203	203

**Agromet Advisory**

**General advisory:** **Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week 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. Due to the water logging in rainy season, 70-90% Humidity & 30 deg. cent temperatures favours the incidence of **Rust disease**, to control this disease spray Azoxystrobin 18.2%sc or Difenconazole 11.4%sc @ 1ml/ltr of water in dry days. 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.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

- Past rainy weather conditions were 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. Past weather conditions are favourable for the incidence of **foot rot in Papaya**. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L.
- Animal husbandry:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

**Dr Sujata Sethy**  
**(Nodal officer)**



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**Bulletin No.-233**  
**Date- 01/10/2021**

**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 9mm rainfall during the last week.** The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forecasted for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be and it will be 32-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-96% and 60-64% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	2	2	12	12	6
T-Max(°C)	32	34	34	33	33
T-Min(°C)	25	26	25	25	25
Cloud Cover(octal)	6	5	8	7	7
RH Max (%)	96	91	95	95	95
RH Min (%)	61	64	60	63	64
Wind Speed (Kmph)	12	16	13	12	11
Wind Direction (deg)	198	203	204	203	203

**Agromet Advisory**

**General advisory:** **Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week 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. Due to the water logging in rainy season, 70-90% Humidity & 30 deg. cent temperatures favours the incidence of **Rust disease**, to control this disease spray Azoxystrobin 18.2%sc or Difenoconazole 11.4%sc @ 1ml/ltr of water in dry days. 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.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

- Past rainy weather conditions were 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. Past weather conditions are favourable for the incidence of **foot rot in Papaya**. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L.
- Animal husbandry:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

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**(Nodal officer)**



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**Bulletin No.-233**  
**Date- 01/10/2021**

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

**The block received average 7mm and district received average 9mm rainfall during the last week.** The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forecasted for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block.** Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 33-35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 95-98% and 57-61% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	4	3	11	12	3
T-Max(°C)	33	35	34	35	33
T-Min(°C)	24	25	25	25	24
Cloud Cover(octa)	5	7	8	7	7
RH Max (%)	98	96	95	98	98
RH Min (%)	61	59	57	61	59
Wind Speed (Kmph)	8	6	4	6	8
Wind Direction (deg)	198	225	206	180	198

**Agromet Advisory**

**General advisory:** **Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot** spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- Maize:**
- Maize is at cob development and harvesting stage. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 litre water.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

- Past rainy weather conditions were 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. Past weather conditions are favourable for the incidence of **foot rot in Papaya**. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L.
- Animal husbandry:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

**Dr Sujata Sethy**  
**(Nodal officer)**



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**Debasish Jena**  
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**GRAMIN KRISHIMAUSAM SEWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
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**AGROMET ADVISORY BULLETIN FOR NIALI**



**Bulletin No.-233**

**Date- 01/10/2021**

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

The block received average 10mm and district received average 9mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 32-33°C and night temperature will be 26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-93% and 64-70% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	5	5	15	14	7
T-Max(°C)	32	33	32	32	32
T-Min(°C)	26	26	26	26	26
Cloud Cover(octa)	5	5	8	7	7
RH Max (%)	92	91	93	91	92
RH Min (%)	64	67	68	70	67
Wind Speed(Kmph)	13	16	14	12	11
Wind Direction(deg)	201	203	203	203	203

**Agromet Advisory**

**General advisory:** Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week 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. Due to the water logging in rainy season, 70-90% Humidity & 30 deg. cent temperatures favours the incidence of **Rust disease**, to control this disease spray Azoxystrobin 18.2%sc or Difenconazole 11.4%sc @ 1ml/ltr of water in dry days. 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.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

- Past rainy weather conditions were 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. Past weather conditions are favourable for the incidence of **foot rot in Papaya**. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L.
- Animal husbandry:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

**Dr Sujata Sethy**  
(Nodal officer)



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APP for Lightening alert in your area



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**Bulletin No.-233**  
**Date- 01/10/2021**

**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

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

**The block received average 10mm and district received average 9mm rainfall during the last week.** The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forecasted for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 32-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-95% and 60-66% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	4	2	11	12	6
T-Max(°C)	32	34	33	33	33
T-Min(°C)	25	26	25	25	25
Cloud Cover(octa)	6	5	8	7	7
RH Max (%)	95	91	95	94	95
RH Min (%)	62	65	60	64	66
Wind Speed (Kmph)	12	16	13	12	11
Wind Direction (deg)	198	203	203	203	203

**Agromet Advisory**

**General advisory:** **Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week 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. Due to the water logging in rainy season, 70-90% Humidity & 30 deg. cent temperatures favours the incidence of **Rust disease**, to control this disease spray Azoxystrobin 18.2%sc or Difenoconazole 11.4%sc @ 1ml/ltr of water in dry days. 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.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week . To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @70ml/acre and Thiodicarb@300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

- Past rainy weather conditions were favourable for the incidence and spread of **sigatoka leaf spot disease in Banana**. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. Go for Drenching of Carbendizim 0.2% or Propiconazole 0.5 ml/ litre once in a month for panama wilt of Banana disease. Past weather conditions are favourable for the incidence of **foot rot in Papaya**. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L.
- **Animal husbandry:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

**Dr Sujata Sethy**  
**(Nodal officer)**



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**Bulletin No.-233**  
**Date- 01/10/2021**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

**The block received average 17mm and district received average 9mm rainfall during the last week.** The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forecasted for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 32-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-96% and 60-66% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	2	2	12	11	6
T-Max(°C)	32	34	34	33	33
T-Min(°C)	25	26	26	25	25
Cloud Cover(octa)	6	5	8	7	7
RH Max (%)	96	91	95	95	95
RH Min (%)	62	64	60	64	66
Wind Speed (Kmph)	12	16	13	12	11
Wind Direction (deg)	201	203	203	203	203

**Agromet Advisory**

**General advisory:** **Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Maize:**
- Maize is at cob development and harvesting stage. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 litre water.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter melon and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

- Past rainy weather conditions were 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. Past weather conditions are favourable for the incidence of **foot rot in Papaya**. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L.
- **Animal husbandry:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

**Dr Sujata Sethy**  
**(Nodal officer)**



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**Bulletin No.-233**  
**Date- 01/10/2021**

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

**The block received average 11mm and district received average 9mm rainfall during the last week.** The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forecasted for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 32-33°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-90% and 67-74% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	3	4	12	11	6
T-Max(°C)	32	33	32	32	33
T-Min(°C)	28	28	27	28	27
Cloud Cover(octa)	4	4	8	6	7
RH Max (%)	88	89	90	87	88
RH Min (%)	67	70	74	73	69
Wind Speed (Kmph)	15	19	17	14	14
Wind Direction (deg)	198	203	203	203	203

**Agromet Advisory**

**General advisory:** **Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot** spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Maize:**
- Maize is at cob development and harvesting stage. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200litre water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 litre water.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**Fruits:**

- Past rainy weather conditions were 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. Past weather conditions are favourable for the incidence of **foot rot in Papaya**. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L.
- **Animal husbandry:**
- Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

**Dr Sujata Sethy**  
**(Nodal officer)**



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**Bulletin No.-233**  
**Date- 01/10/2021**

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

**The block received average 7mm and district received average 9mm rainfall during the last week.** The mean daily maximum and minimum temperature was 32°C and 25°C, respectively. Mean relative humidity of the district was around 90-85%.

**Forecasted period: Today(8.30IST) to 06<sup>th</sup> October (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forested for Sunday and Monday and light to very light rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 33-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 94-97% and 58-62% 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	02/10/2021	03/10/2021	04/10/2021	05/10/2021	06/10/2021
Rainfall(mm)	4	3	11	12	4
T-Max(°C)	33	35	34	33	33
T-Min(°C)	25	26	25	25	25
Cloud Cover(octa)	7	6	8	8	7
RH Max (%)	97	94	95	97	96
RH Min (%)	62	60	58	62	61
Wind Speed (Kmph)	11	11	7	10	11
Wind Direction (deg)	203	207	203	193	203

**Agromet Advisory**

**General advisory:** **Farmers should continue irrigation, pesticide and fertilizer application activities on upcoming days based upon rainfall forecast. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.**

**Kharif Rice**

Early sown paddy is now mostly in tillering to panicle initiation stage. As weather to remain mostly dry, ensure proper water level of 4-5 centimetre in the field. Application of fertilizers and manures can be done. In late transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage (50-55 DAT) @ 17.5kg of urea per acre whereas in sandy soil apply 17.5kg of urea + 13kg of MOP per acre.

**Weather based Disease and pest of rice**

- Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre.
- Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area
- Due to water logging situation in past week in Cuttack district as well as in the blocks **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.
- **Maize:**
- Maize is at cob development and harvesting stage. There may be Aphids and Thrips infestation, then Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. To control stem borer apply fipronil 5SC 400ml/acre in 200 litre water.

**VEGETABLES:**

There is a chance of occurrence of **damping off disease in vegetable nursery** due to moderate rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. To control **Fruit and shoot borer in Brinjal and Okra**, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

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Bulletin No.-233  
 Date- 01/10/2021

				
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.

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

- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

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