

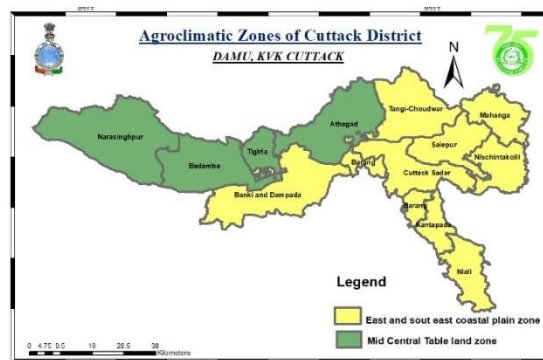


**GRAMIN KRISHI MAUSAM SEWA**  
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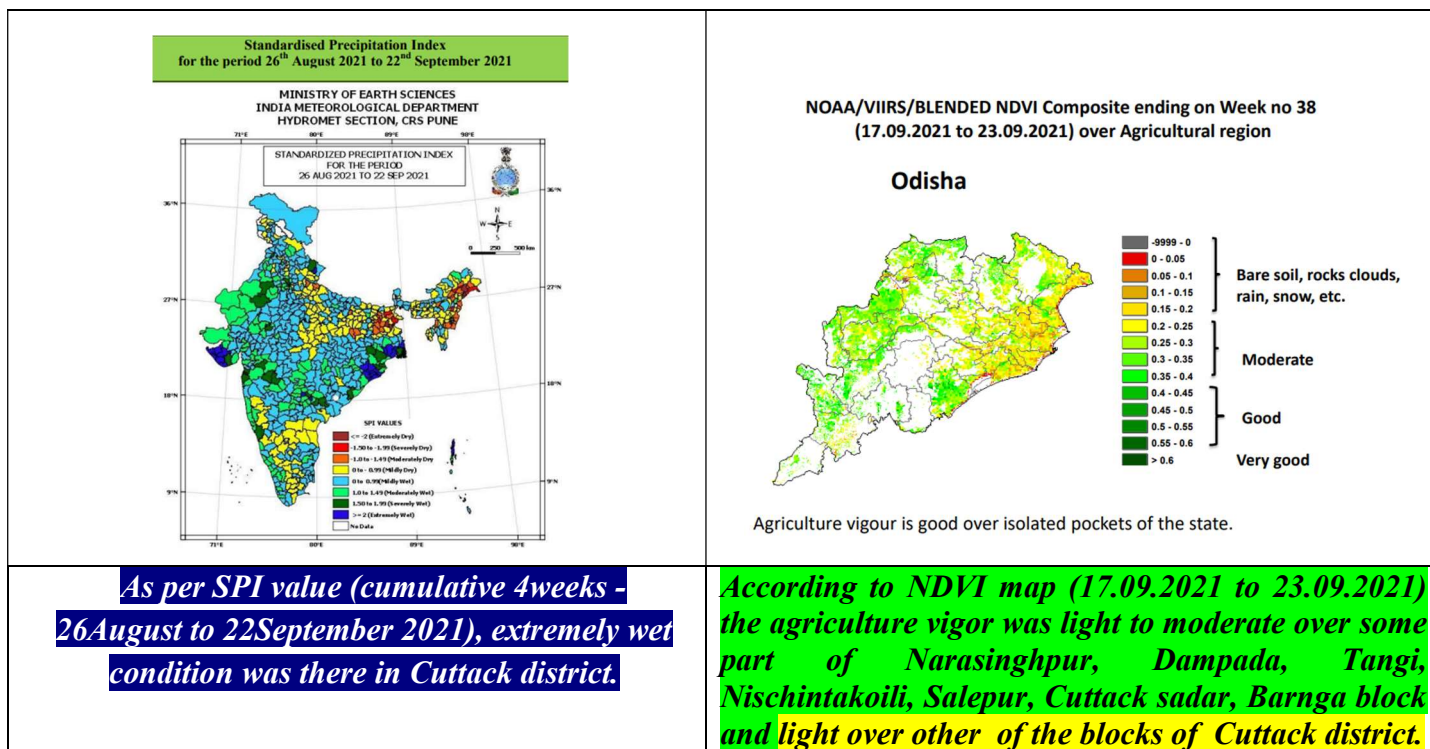


Bulletin No.-232  
 Date- 28/09/2021

## 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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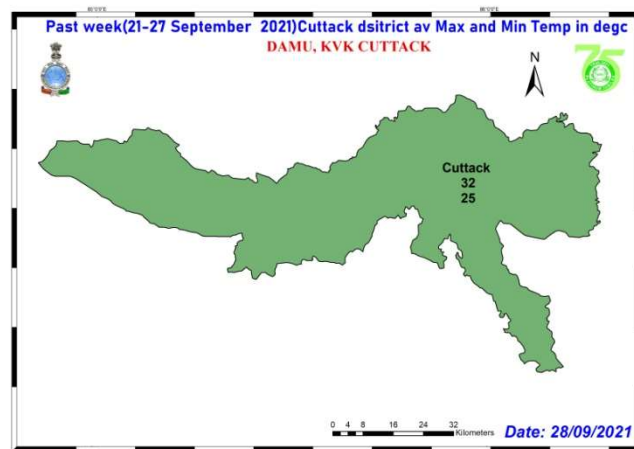
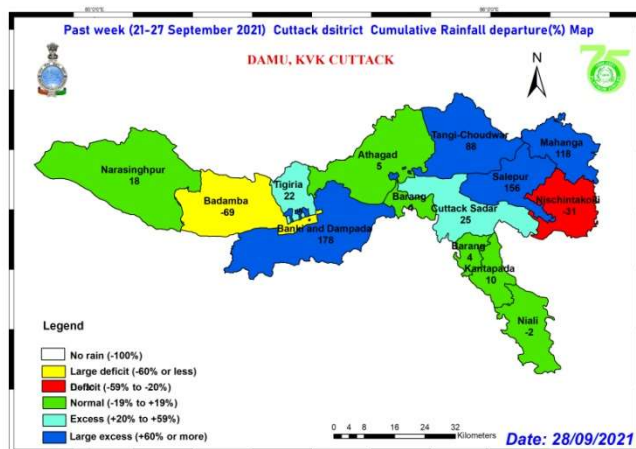


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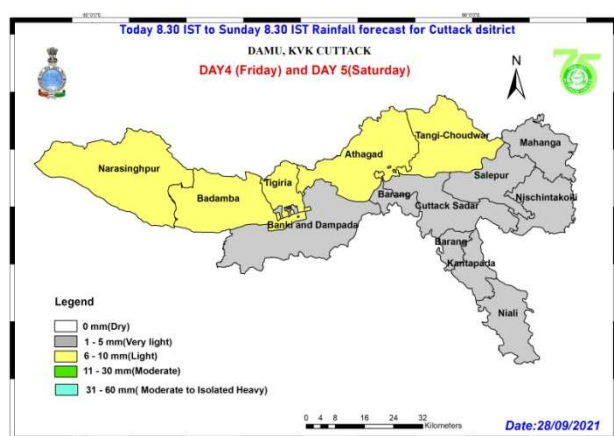
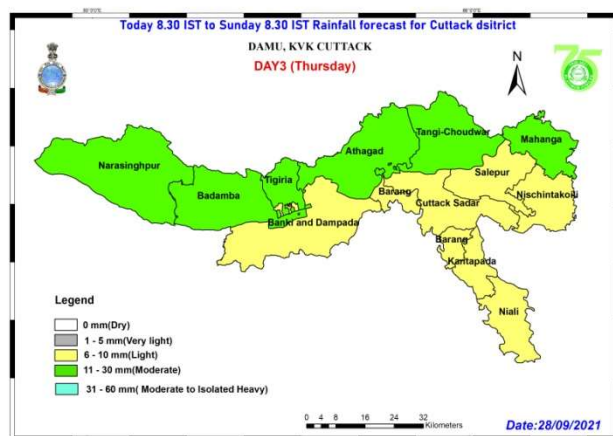
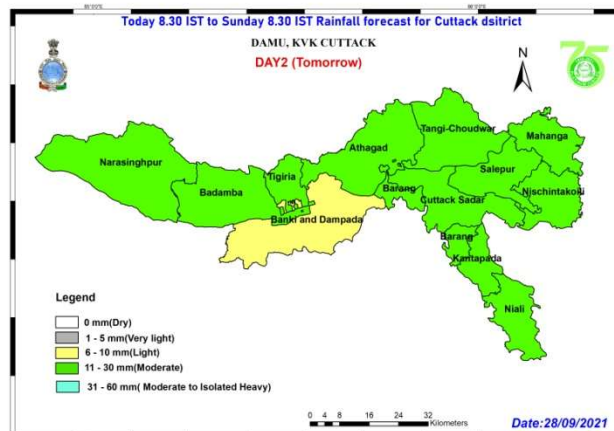
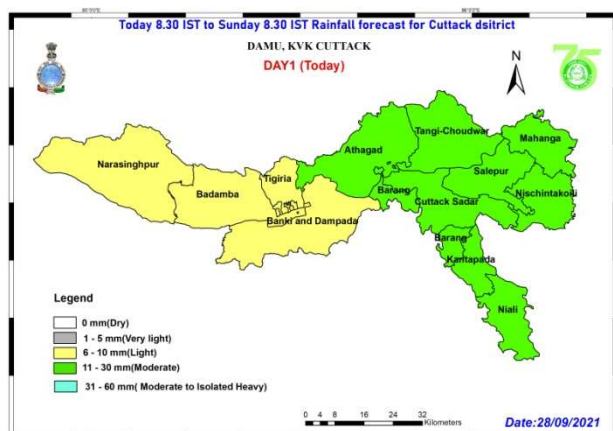


Bulletin No.-232  
 Date- 28/09/2021

**Past week (21-27 September 2021) Cuttack district Cumulative Rainfall departure (%) and average Temperature map**



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



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**Bulletin No.-232**  
**Date- 28/09/2021**

**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
				Blast
				Stem/Foot rot
				Brown plant hopper
				Stem borer
				Gall midge
2	Sugarcane	4-5 month old		Red rot
				Rust
3	Maize	6-7 week stage		Fall army worm

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

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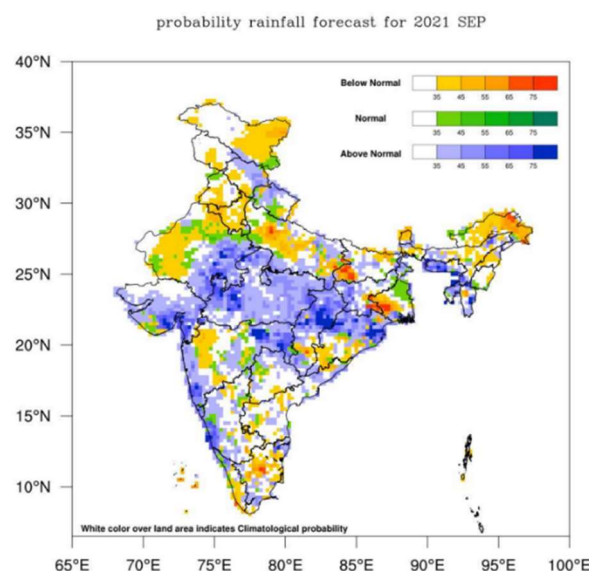
**Bulletin No.-232**  
**Date- 28/09/2021**

Met Sub division	Extended range outlook for subsequent 1 week (6 <sup>th</sup> to 12 <sup>th</sup> days) (03-09 October 2021)		
<b>Odisha</b>	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	<b>Rainfall</b>	<b>20.32</b>	<b>Above Normal</b>
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	<b>Maximum temperature</b>	<b>-0.16</b>	<b>Normal</b>
	<b>Minimum temperature</b>	<b>0 .54</b>	<b>Normal</b>

**General Agromet Advisory:-** There will be **above normal rainfall** in subsequent week after 5 days (03-09 October 2021) in Odisha condition, and **there will be light to moderate rainfall/Thundershower** is forecasted for upcoming 5 days. Farmers are advised to *drain out excess water from the field in the subsequent week and should conserve water (2-3cm) in the field in tillering to panicle initiation stage. They are advised to vigil the rice field for monitoring of disease pest like sheath blight, root rot, blast and swarming caterpillar, stem borer, BPH.*

**South-west Monsoon rainfall forecast for the month of September, 2021**

- The spatial distribution of probabilistic forecasts for the tercile categories (above normal, normal and below normal) for the **September rainfall** is shown in below figure. The spatial distribution suggests that also **above normal rainfall** is likely over many parts of north Odisha.
- Hence Farmers should manage the crop and irrigation activities depending upon the land type, irrigation facility for kharif rice.*



**Fig.1.** Probability forecast of tercile categories (below normal, normal, and above normal) for the rainfall over India during September 2021. The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within the land area represent climatological probabilities. The probabilities were derived using the MME forecast prepared from a group of coupled climate models. (Tercile categories have equal climatological probabilities of 33.33% each).

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Bulletin No.-232  
 Date- 28/09/2021

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

The block received average 9mm 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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for today to Thursday and light to very light rainfall is forecasted for next 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-96% and 60-77% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall (mm)	11	25	14	7	7
T-Max (°C)	32	29	31	32	33
T-Min (°C)	25	25	25	25	26
Cloud Cover (octa)	8	8	7	3	4
RH Max (%)	95	96	96	96	92
RH Min (%)	65	77	69	65	60
Wind Speed (kmph)	10	10	11	11	13
Wind Direction (deg)	158	158	162	201	203

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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:** Do not keep the stagnant water as it is raining. Provide drainage facility. To control **fall armyworm** in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /1 lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. Past rainy and humid weather favours infestation of **Banded leaf blight** in maize. To control this spray Validamycin 3.0%SL or Hexaconazole 5.0%EC 400ml/200ltr water for one acre.

**VEGETABLES:**

- Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin + Thiram @ 400g or Metalaxyl 8% + Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre.  
 Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings** should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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.-232  
Date- 28/09/2021

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received average 2mm 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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for tomorrow and Thursday 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 29-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 95-97% and 60-75% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	8	15	16	6	6
T-Max(°C)	31	29	30	32	33
T-Min(°C)	25	25	24	25	25
Cloud Cover(octa)	8	8	7	2	5
RH Max (%)	95	96	97	97	95
RH Min (%)	68	75	73	64	60
Wind Speed (Kmph)	9	8	10	10	11
Wind Direction (deg)	158	158	162	193	198

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of stem borer and blast disease in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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:** Do not keep the stagnant water as it is raining. Provide drainage facility. To control fall armyworm in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /1 lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. Past rainy and humid weather favours infestation of Banded leaf blight in maize. To control this spray Validamycin 3.0%SL or Hexaconazole 5.0%EC 400ml/200ltr water for one acre.

**VEGETABLES:**

- Drain out excess water from the field.** Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, wilting is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre.  
Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings** should be planted in the main field. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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.-232  
Date- 28/09/2021

**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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** **Light rainfall / Thunder shower is forecasted for Today to Thursday and very light rainfall is forecasted for other 2 days in the block.** Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 29-33°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-96% and 60-74% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	9	8	10	4	5
T-Max(°C)	32	29	30	32	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	8	8	7	2	4
RH Max (%)	93	95	96	96	92
RH Min (%)	66	74	71	64	60
Wind Speed (Kmph)	10	10	11	11	13
Wind Direction (deg)	158	158	162	201	201

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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:** Do not keep the stagnant water as it is raining. Provide drainage facility. To control **fall armyworm** in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /1 lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. Past rainy and humid weather favours infestation of **Banded leaf blight** in maize. To control this spray Validamycin 3.0%SL or Hexaconazole 5.0%EC 400ml/200ltr water for one acre.

**VEGETABLES:**

- Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre.  
Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings** should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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.-232  
Date- 28/09/2021

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA**

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

The block received average 24mm 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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather Advisory:** Light rainfall / Thunder shower is forecasted for Today to Thursday and very light rainfall is forested for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-95% and 60-74% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	9	10	9	4	5
T-Max(°C)	32	29	30	32	33
T-Min(°C)	25	25	25	25	26
Cloud Cover(octa)	8	8	7	2	4
RH Max (%)	93	95	96	96	92
RH Min (%)	66	74	71	64	60
Wind Speed (Kmph)	10	10	11	11	13
Wind Direction (deg)	158	158	162	201	201

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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:** Do not keep the stagnant water as it is raining. Provide drainage facility. To control **fall armyworm** in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /1 lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. Past rainy and humid weather favours infestation of **Banded leaf blight** in maize. To control this spray Validamycin 3.0%SL or Hexaconazole 5.0%EC 400ml/200ltr water for one acre.

**VEGETABLES:**

- Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre.  
Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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.-232  
Date- 28/09/2021

**AGROMET ADVISORY BULLETIN FOR BARANGA**

**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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for Today and tomorrow 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 29-32°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-95% and 59-75% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	11	12	10	4	4
T-Max(°C)	32	29	31	31	32
T-Min(°C)	25	25	25	25	26
Cloud Cover	8	8	6	3	4
RH Max (%)	92	94	95	94	91
RH Min (%)	63	75	65	63	59
Wind Speed (Kmph)	10	10	11	11	14
Wind Direction (deg)	158	159	167	203	203

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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:** Do not keep the stagnant water as it is raining. Provide drainage facility. To control **fall armyworm** in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil / 1 lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. Past rainy and humid weather favours infestation of **Banded leaf blight** in maize. To control this spray Validamycin 3.0%SL or Hexaconazole 5.0%EC 400ml/200ltr water for one acre.

**VEGETABLES:**

- Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 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 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.-232  
Date- 28/09/2021

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

**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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for Today and tomorrow 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 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-95% and 59-76% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	11	13	9	4	4
T-Max(°C)	32	29	31	31	33
T-Min(°C)	25	25	25	25	26
Cloud Cover(octa)	8	8	7	3	4
RH Max (%)	94	95	95	95	91
RH Min (%)	63	76	64	63	59
Wind Speed (Kmph)	10	9	11	11	14
Wind Direction (deg)	158	158	167	203	203

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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. 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:** Drain out excess water from the field. Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre.  
Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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.-232  
Date- 28/09/2021

**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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for Today and tomorrow 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 30-32°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-93% and 60-74% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	16	12	9	4	4
T-Max(°C)	32	30	31	32	32
T-Min(°C)	25	26	25	25	26
Cloud Cover(octa)	8	8	6	2	4
RH Max (%)	92	93	92	92	91
RH Min (%)	63	74	65	62	60
Wind Speed (Kmph)	10	10	11	11	14
Wind Direction (deg)	159	159	193	203	203

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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. 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:** **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 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** 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.-232  
 Date- 28/09/2021

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received average 14mm 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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for today to Thursday and light to very light rainfall is forecasted for next 2 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 29-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-95% and 58-76% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	20	25	12	4	5
T-Max(°C)	31	29	31	32	33
T-Min(°C)	25	25	24	24	25
Cloud Cover(octal)	8	8	6	3	5
RH Max (%)	94	95	94	94	92
RH Min (%)	63	76	63	60	58
Wind Speed (Kmph)	10	9	11	12	15
Wind Direction (deg)	159	158	193	201	203

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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. 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:** Drain out excess water from the field. Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 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** 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.-232  
Date- 28/09/2021

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

**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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for tomorrow and Thursday 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 29-33°C and night temperature will be 24°C for upcoming 5 days. Maximum and minimum relative humidity will be 97-98% and 57-76% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	7	11	15	7	7
T-Max(°C)	31	29	31	32	33
T-Min(°C)	24	24	24	24	24
Cloud Cover(octa)	8	8	7	3	6
RH Max (%)	97	97	98	98	98
RH Min (%)	69	76	68	61	57
Wind Speed (Kmph)	7	6	8	8	7
Wind Direction (deg)	162	159	162	193	198

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- Forecasted cloudy and humid weather and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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:** Do not keep the stagnant water as it is raining. Provide drainage facility. To control **fall armyworm** in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /1 lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. Past rainy and humid weather favours infestation of **Banded leaf blight** in maize. To control this spray Validamycin 3.0%SL or Hexaconazole 5.0%EC 400ml/200ltr water for one acre.

**VEGETABLES:**

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



Bulletin No.-232

Date- 28/09/2021

**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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for Today and tomorrow 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 30-32°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-91% and 61-74% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	16	13	8	4	5
T-Max(°C)	31	30	31	32	32
T-Min(°C)	25	26	25	25	26
Cloud Cover(octa)	8	8	4	2	4
RH Max (%)	91	91	90	90	90
RH Min (%)	63	74	66	62	61
Wind Speed(Kmph)	10	11	12	12	14
Wind Direction(deg)	180	159	193	203	203

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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. 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:** Drain out excess water from the field. Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre.  
Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- **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.-232**  
**Date- 28/09/2021**

**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

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

The block received average 5mm 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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for Today and tomorrow 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 30-33°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-94% and 58-75% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	12	14	9	4	4
T-Max(°C)	32	30	31	32	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	8	8	6	3	5
RH Max (%)	93	94	93	93	92
RH Min (%)	62	75	63	60	58
Wind Speed (Kmph)	10	9	11	12	14
Wind Direction (deg)	159	158	193	201	203

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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. 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:** **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre.  
 Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli seedlings** should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- **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.-232**  
**Date- 28/09/2021**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

**The block received average 15mm 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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forecasted for Today and tomorrow 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 30-33°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-95% and 58-75% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	16	13	9	4	4
T-Max(°C)	32	30	31	32	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	8	8	6	3	5
RH Max (%)	94	95	94	94	92
RH Min (%)	62	75	63	60	58
Wind Speed (Kmph)	10	9	11	12	14
Wind Direction (deg)	159	158	193	203	203

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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:** Do not keep the stagnant water as it is raining. Provide drainage facility. To control **fall armyworm** in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /1 lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. Past rainy and humid weather favours infestation of **Banded leaf blight** in maize. To control this spray Validamycin 3.0%SL or Hexaconazole 5.0%EC 400ml/200ltr water for one acre.

• **VEGETABLES:**

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre.  
Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli seedlings** should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- **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.-232

Date- 28/09/2021

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received average 12mm 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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for Today and tomorrow 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 31-33°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-88% and 64-75% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	20	23	10	7	7
T-Max(°C)	32	31	32	33	33
T-Min(°C)	27	28	27	27	27
Cloud Cover(octa)	8	8	3	2	4
RH Max (%)	88	88	86	86	88
RH Min (%)	64	75	69	64	65
Wind Speed (Kmph)	13	14	13	14	17
Wind Direction (deg)	180	180	193	203	203

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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:** Do not keep the stagnant water as it is raining. Provide drainage facility. To control **fall armyworm** in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil / 1 lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. Past rainy and humid weather favours infestation of **Banded leaf blight** in maize. To control this spray Validamycin 3.0%SL or Hexaconazole 5.0%EC 400ml/200ltr water for one acre.

**VEGETABLES:**

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.
- Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop.
- **Downy Mildew, vine rot, leaf spot and blight disease** in cucurbit vegetables, spray Carbendazim 12 % + Mancozeb 63 % WP @ 400 g/acre or Chlorothalonil @ 400 g/acre.
- Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- **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.-232**  
**Date- 28/09/2021**

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

**The block received average 9mm 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 89-82%.

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> October (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forecasted for Tomorrow and Thursday 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 29-33°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-97% and 60-77% 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	29/09/2021	30/09/2021	01/10/2021	02/10/2021	03/10/2021
Rainfall(mm)	10	15	12	6	6
T-Max(°C)	32	29	30	32	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	8	8	8	3	4
RH Max (%)	95	96	96	97	93
RH Min (%)	66	77	73	65	60
Wind Speed (Kmph)	9	10	11	11	12
Wind Direction (deg)	158	158	162	198	201

**Agromet Advisory**

**General advisory:** As thundershower is forecasted for today to Thursday keep the harvested produce at safer places and keep farm animals indoor during thunderstorm period. Keep the drainage channels open to drain out excess rain water from crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days from today to Thursday. Start sowing of non paddy crops and vegetables after rain to utilize the rain water.

**Kharif Rice**

**Drain out excess water from the field.** Maintain about 2-5cm standing water during tillering to panicle initiation stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre in upcoming days based upon rainfall forecast.

**Weather based Disease and pest of rice**

- **Forecasted cloudy and humid weather** and the 20-25°C minimum temperature favors incidence of **stem borer and blast disease** in rice if the infestation will happen, spray Chlorantraniliprole 18.5% SC @ 60 ml/acre in 200 litres of water or, 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:** Do not keep the stagnant water as it is raining. Provide drainage facility. To control **fall armyworm** in maize erect 4 pheromone traps /acre and spray 5 ml of 1500ppm neem oil /1 lit water. If more severe incidence observed spray Emamectin benzoate @ 0.5 g / lit of water. Past rainy and humid weather favours infestation of **Banded leaf blight** in maize. To control this spray Validamycin 3.0%SL or Hexaconazole 5.0%EC 400ml/200ltr water for one acre.

**• VEGETABLES:**

- **Drain out excess water from the field.** Due to rain and high humidity, infestation of **blight and sucking pest** in vegetables likely to increase; farmers are advised to regularly 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.
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Due to forecast of rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli seedlings** should be planted in the main field. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- **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.-232  
 Date- 28/09/2021

				
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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.

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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