

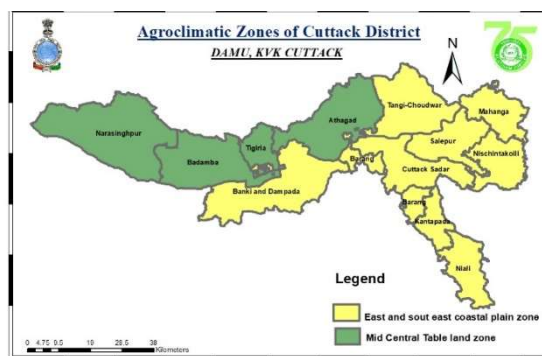


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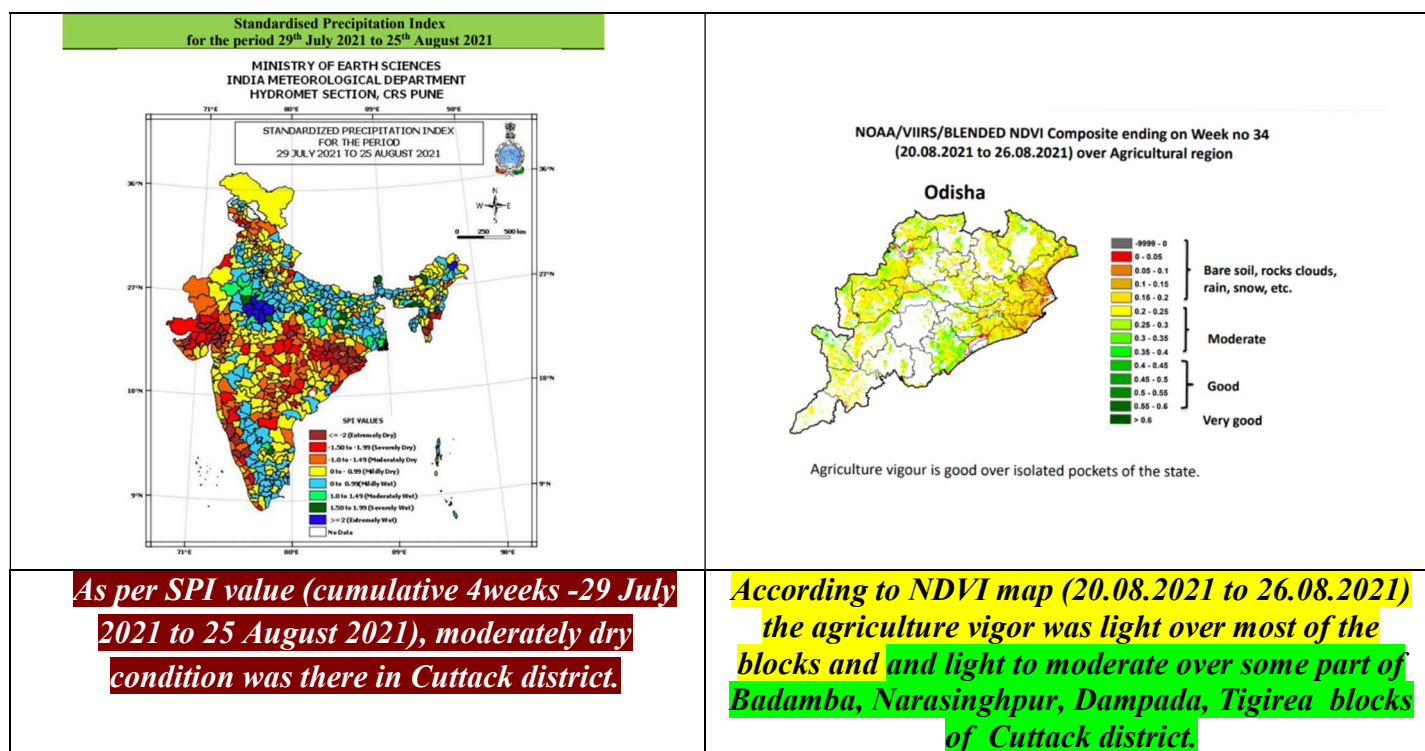


Bulletin No.-224
 Date- 31/08/2021

AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARD PRECIPITATION INDEX AND NDVI MAP



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

Dr Sujata Sethy
 (Nodal officer)



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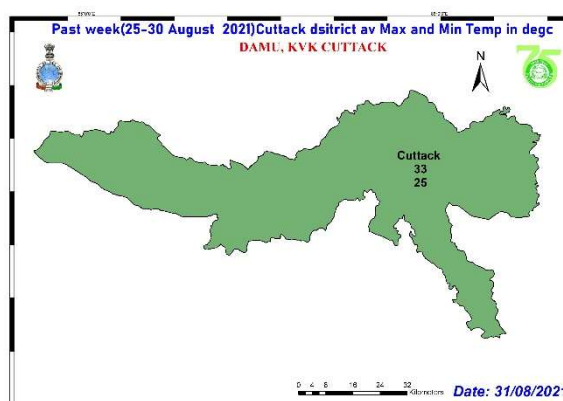
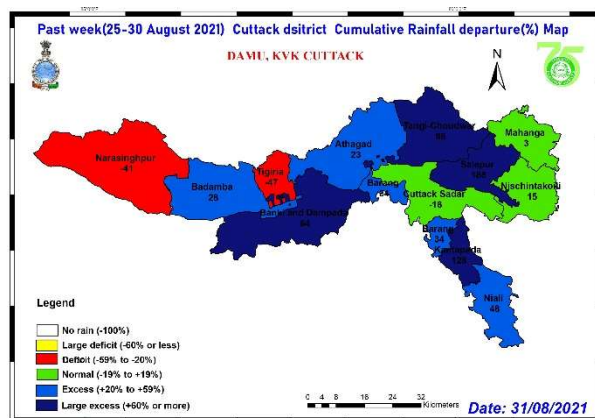


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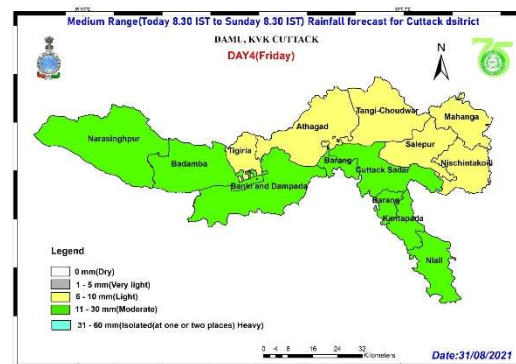
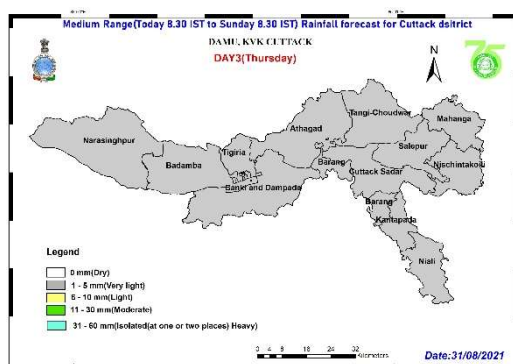
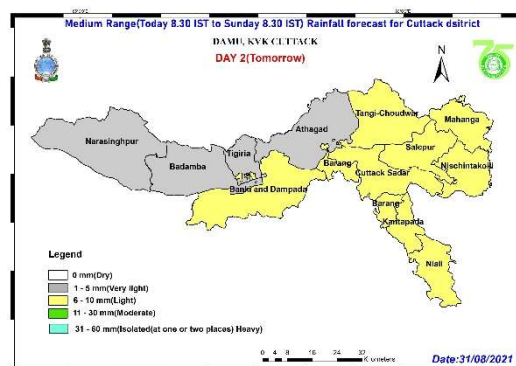
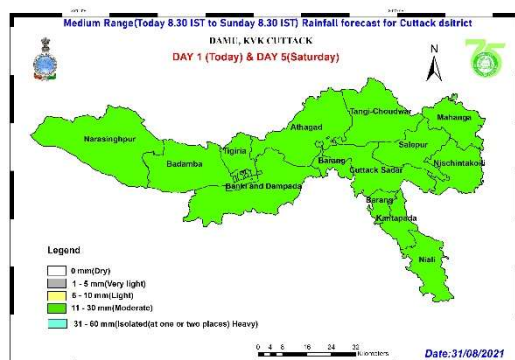


Bulletin No.-224
Date- 31/08/2021

Past week (24-30 August 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.-224
Date- 31/08/2021

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		Sheath blight
				Bacterial leaf blight
				Leaf folder
				Sawarming caterpillar
				Stem borer
				Blast
2	Sugarcane	4-5 month old		Red rot
				Early shoot borer
3	Maize	6-7 week stage		Aphid and thrips
				Stem borer

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4	Brinjal, tomato, chilli	seedling		Seedling rot
				Stem rot
5	Tomato and brinjal	Fruting		Bacterial wilt
6	Chilli	seedling		Damping off
7	okra	Fruting		Fruit and shoot borer
				White fly
				Jassid
8	Pointed gourd			Fruit rot
10	Pumpkin(Cucurbits)	Flowering to fruting		Stem and root rot

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Bulletin No.-224
Date- 31/08/2021

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (05 th -11 th September 2021)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	-11.86	Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	0.84	Normal
	Minimum temperature	-0.08	Normal

General Agromet Advisory:- There will be **normal rainfall** in subsequent week after 5 days (05 - 11 September 2021) in Odisha condition, and there will be **light to moderate rainfall** is forecasted for upcoming 5 days farmers are advised to **go for transplanting or beushaning activity in the subsequent week and should conserve water(2-3cm) in the field for future purpose.**

South-west Monsoon rainfall forecast for 2nd half (August and September) of the season and for the month of August, 2021

- Rainfall over the country as a whole during the second half (August to September period) of the 2021 southwest monsoon season is most likely to be normal (95 to 105 % of Long Period Average (LPA)) with a tendency to be in the positive side of the normal.
- Monthly rainfall for the 2021 August over the country as a whole is most likely to be normal (94 to 106 % of Long Period Average (LPA)).
- The spatial distribution of probabilistic forecasts for the tercile categories (above normal, normal and below normal) for the August to September rainfall is shown in Fig.1. The spatial distribution suggests that **below normal to normal rainfall** is likely over many parts of east parts (Odisha) of the country.
- The spatial distribution of probabilistic forecasts for the tercile categories (above normal, normal and below normal) for the August rainfall is shown in Fig.2. The spatial distribution suggests that also **below normal to normal rainfall** is likely over many parts of east parts (Odisha) of the country.
- Hence Farmers should prepare the crop plan depending upon the land type, irrigation facility for transplanting of kharif rice.**

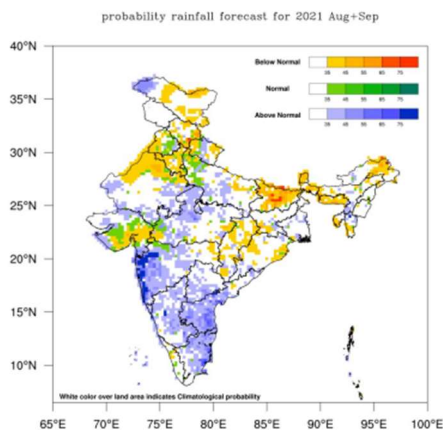


Fig.1. Probability forecast of tercile categories* (below normal, normal and above normal) of rainfall for the second half (August to September) of the 2021 southwest monsoon season over India. The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within 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).

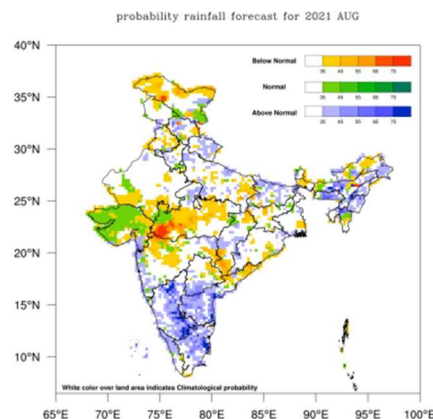


Fig.2. Probability forecast of tercile categories* (below normal, normal and above normal) for the 2021 August rainfall over India. The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within the land area represent climatological probabilities. The 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.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 16mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather advisory: *Moderate rainfall is forecasted for today and Saturday and very light to 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 30-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-94% and 50-70% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall (mm)	14	5	4	6	18
T-Max (°C)	30	31	33	33	35
T-Min (°C)	25	25	25	25	26
Cloud Cover (octa)	7	6	7	2	5
RH Max (%)	94	92	92	92	91
RH Min (%)	70	62	55	51	50
Wind Speed (kmph)	12	10	10	10	9
Wind Direction (deg)	156	159	180	180	135

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice: The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting. After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.
- Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. *If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.* Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good.
- In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour. **Present 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.
- Maize:** Do not keep the stagnant water as it is raining. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to hot and humid weather, there may be Aphids and Thrips attack, then apply Dimethoate 30EC @ 400ml/Acre. Maize crop has been infested with stem borer, Apply Thiomethoxam @ 0.4g/ litre of water or 2ml chlorantraniliprole in 1 ltr water.
- VEGETABLES:** 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.
- To control **fruit and shoot borer** in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxystrobin 18.2 SC + Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting.
- ANIMAL HUSBANDRY:** Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 14mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather advisory: *Moderate rainfall is forecasted for today, Friday and Saturday and very light to 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 30-35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-94% and 46-70% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	11	5	3	11	13
T-Max(°C)	30	31	33	33	35
T-Min(°C)	24	24	24	24	25
Cloud Cover(octa)	7	6	6	2	5
RH Max (%)	94	93	93	92	89
RH Min (%)	70	60	53	51	46
Wind Speed (Kmph)	12	10	9	9	7
Wind Direction (deg)	156	159	180	191	135

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice:

The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting. After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.
- Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour. **Present 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.
- Maize:** Do not keep the stagnant water as it is raining. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to hot and humid weather, there may be Aphids and Thrips attack, then apply Dimethoate 30EC @ 400ml/Acre. Maize crop has been infested with stem borer, Apply Thiomethoxam @ 0.4g/ litre of water or 2ml chlorantraniliprole in 1 ltr water.

VEGETABLES:

- 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.
- To control **fruit and shoot borer** in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxystrobin 18.2 SC+ Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting.

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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FORBANKI

District Past week average weather condition

The district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather advisory: *Moderate rainfall is forecasted for today, Friday and Saturday and very light to 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 30-35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-93% and 48-69% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	12	7	5	11	15
T-Max(°C)	30	31	33	33	35
T-Min(°C)	24	25	25	25	25
Cloud Cover(octa)	7	6	6	2	5
RH Max (%)	93	91	91	91	89
RH Min (%)	69	58	53	51	48
Wind Speed (Kmph)	12	11	10	10	8
Wind Direction (deg)	156	159	198	191	135

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice:

The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting. After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.
- Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. **If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.** Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunnydays followed by heavy rainfall. To control this apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour. **Present 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.
- Maize:** Do not keep the stagnant water as it is raining. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to hot and humid weather, there may be Aphids and Thrips attack, then apply Dimethoate 30EC @ 400ml/Acre. Maize crop has been infested with stem borer, Apply Thiomethoxam @ 0.4g/ litre of water or 2ml chlorantraniliprole in 1 ltr water.

VEGETABLES:

- 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.
- To control **fruit and shoot borer** in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxystrobin 18.2 SC+ Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 21mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather Advisory: *Moderate rainfall is forecasted for today, Friday and Saturday and very light to 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 30-35°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-93% and 49-70% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	13	8	5	11	16
T-Max(°C)	30	31	33	33	35
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	7	6	6	2	5
RH Max (%)	93	91	91	91	90
RH Min (%)	70	58	53	51	49
Wind Speed (Kmph)	12	11	10	10	9
Wind Direction (deg)	156	159	198	193	135

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice:

The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting. After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.
- Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour. **Present 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.
- Maize:** Do not keep the stagnant water as it is raining. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to hot and humid weather, there may be Aphids and Thrips attack, then apply Dimethoate 30EC @ 400ml/Acre. Maize crop has been infested with stem borer, Apply Thiomethoxam @ 0.4g/ litre of water or 2ml chlorantraniliprole in 1 ltr water.

VEGETABLES:

- 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.
- To control **fruit and shoot borer** in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxystrobin 18.2 SC+ Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 14mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today, Friday and Saturday and very light to 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 30-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-92% and 49-70% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	16	7	4	11	18
T-Max(°C)	30	32	32	32	33
T-Min(°C)	25	25	25	25	26
Cloud Cover	7	7	6	3	5
RH Max (%)	92	90	90	90	92
RH Min (%)	70	60	57	55	49
Wind Speed (Kmph)	11	10	10	11	9
Wind Direction (deg)	156	167	198	193	180

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice:

The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting. After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear.
- Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour. Present 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.
- Maize:** Do not keep the stagnant water as it is raining. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to hot and humid weather, there may be Aphids and Thrips attack, then apply Dimethoate 30EC @ 400ml/Acre. Maize crop has been infested with stem borer, Apply Thiomethoxam @ 0.4g/ litre of water or 2ml chlorantraniliprole in 1 ltr water.

VEGETABLES:

- 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.
- To control **fruit and shoot borer** in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxystrobin 18.2 SC+ Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 9mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today, Friday and Saturday and very light to 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 30-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-92% and 49-68% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	12	7	4	12	21
T-Max(°C)	30	32	32	33	34
T-Min(°C)	25	25	25	25	26
Cloud Cover(octa)	7	6	6	2	5
RH Max (%)	92	91	91	91	92
RH Min (%)	68	61	56	53	49
Wind Speed (Kmph)	11	10	10	11	9
Wind Direction (deg)	156	162	193	193	169

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was light to moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice:

The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Present 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. **Bacterial blight can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.** After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. **If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.** Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- Sugarcane:** wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chloropyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.
- VEGETABLES** 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.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxystrobin 18.2 SC + Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 37mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather advisory: *Moderate rainfall is forecasted for today, Friday and Saturday and very light to 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 30-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-91% and 51-70% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	15	6	4	13	25
T-Max(°C)	30	32	32	32	33
T-Min(°C)	25	25	25	25	26
Cloud Cover(octa)	7	7	6	3	4
RH Max (%)	90	88	88	89	91
RH Min (%)	70	58	59	58	51
Wind Speed (Kmph)	11	11	10	11	10
Wind Direction (deg)	158	180	198	198	189

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was moderate to heavy rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice:

The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Present 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. **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting. After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.

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

VEGETABLES:

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.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/litre of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiometoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxystrobin 18.2 SC + Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting.

Dr Sujata Sethy
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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 11mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather advisory: *Moderate rainfall is forecasted for today and Saturday and very light to 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 31-33°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-92% and 50-67% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	18	6	4	7	24
T-Max(°C)	31	32	32	33	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octal)	7	6	6	3	5
RH Max (%)	91	89	91	90	92
RH Min (%)	67	59	56	55	50
Wind Speed (Kmph)	11	10	10	11	10
Wind Direction (deg)	158	193	193	198	180

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was light to moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice:

The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Present 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. **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting. After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. **If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.** Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- Sugarcane:** wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.

VEGETABLES:

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.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/litre of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiometoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxistrobin 18.2 SC + Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 6mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather advisory: *Moderate rainfall is forecasted for today, Friday and Saturday and very light to 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 30-35°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-97% and 47-70% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	11	5	2	12	12
T-Max(°C)	30	31	34	35	35
T-Min(°C)	23	22	23	23	24
Cloud Cover(/octa)	6	6	6	3	5
RH Max (%)	97	96	96	94	90
RH Min (%)	70	58	51	49	47
Wind Speed (Kmph)	10	8	6	6	5
Wind Direction (deg)	156	159	197	163	150

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was light to moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice:

The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Present 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. **Bacterial blight can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.** After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. **If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.** Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.

Maize: Do not keep the stagnant water as it is raining. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to hot and humid weather, there may be **Aphids and Thrips** attack, then apply Dimethoate 30EC @ 400ml/Acre. Maize crop has been infested with **stem borer**, Apply Thiomethoxam @ 0.4g/ litre of water or 2ml chlorantraniliprole in 1 ltr water.

VEGETABLES:

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.
- To control **fruit and shoot borer** in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxystrobin 18.2 SC+ Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 20mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today, Friday and Saturday and very light to 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 30-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-89% and 53-70% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	16	6	5	12	23
T-Max(°C)	30	32	32	32	33
T-Min(°C)	25	25	25	25	26
Cloud Cover(octa)	7	7	5	3	4
RH Max (%)	89	86	87	87	89
RH Min (%)	70	60	59	60	53
Wind Speed(Kmph)	12	11	11	12	11
Wind Direction(deg)	158	180	198	198	189

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice: The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding

Weather based Disease and pest of rice

- Present 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. **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting. After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. **If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.** Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- Sugarcane:** wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chlorpyrifos or Quinalophs @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period.
- VEGETABLES:** 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.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxystrobin 18.2 SC+ Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting.

Dr Sujata Sathy
(Nodal officer)



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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 12mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05th September (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today and Saturday and very light to 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 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-92% and 50-68% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	14	6	5	8	28
T-Max(°C)	31	32	32	32	33
T-Min(°C)	25	25	25	25	26
Cloud Cover(octa)	7	6	6	3	5
RH Max (%)	90	89	90	90	92
RH Min (%)	68	58	57	56	50
Wind Speed (Kmph)	11	11	10	11	10
Wind Direction (deg)	158	193	193	198	180

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice:

The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Present 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. **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting. After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.

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

VEGETABLES:

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.
- To control **fruit and shoot borer** in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxystrobin 18.2 SC+ Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 27mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today and Saturday and very light to 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 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-92% and 50-68% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	13	6	5	8	26
T-Max(°C)	31	32	32	32	33
T-Min(°C)	25	25	25	25	26
Cloud Cover(octa)	7	6	6	3	5
RH Max (%)	91	89	90	90	92
RH Min (%)	68	59	57	56	50
Wind Speed (Kmph)	11	10	10	11	10
Wind Direction (deg)	156	193	193	198	180

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice:

The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Present 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. **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting. After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.

Maize: Do not keep the stagnant water as it is raining. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to hot and humid weather, there may be **Aphids and Thrips** attack, then apply Dimethoate 30EC @ 400ml/Acre. Maize crop has been infested with **stem borer**, Apply Thiomethoxam @ 0.4g/ litre of water or 2ml chlorantraniliprole in 1 ltr water.

VEGETABLES:

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.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxystrobin 18.2 SC+ Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting.

Dr Sujata Sathy
(Nodal officer)



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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 18mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today and Saturday and very light to 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 31-34°C and night temperature will be 28°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-87% and 60-71% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	13	6	4	8	21
T-Max(°C)	31	33	34	34	34
T-Min(°C)	28	28	28	28	28
Cloud Cover(octa)	6	7	5	1	4
RH Max (%)	85	83	84	84	87
RH Min (%)	71	64	61	61	60
Wind Speed (Kmph)	15	13	13	14	13
Wind Direction (deg)	167	191	191	199	180

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice:

The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Present 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. **Bacterial blight can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting.** After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. **If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.** Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.

Maize: Do not keep the stagnant water as it is raining. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to hot and humid weather, there may be **Aphids and Thrips** attack, then apply Dimethoate 30EC @ 400ml/Acre. Maize crop has been infested with **stem borer**. Apply Thiomethoxam @ 0.4g/ litre of water or 2ml chlorantraniliprole in 1 ltr water.

VEGETABLES:

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.
- To control **fruit and shoot borer** in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water).
- Prevailing rainy weather is favorable for **Root and stem rot in cucurbits**. To control farmers may apply Thiophanate Methyl 70% WP @ 2 gm/l or Azoxystrobin 18.2 SC + Difeconazole 11.11% SC 1.5 gm/l to be applied base as well as root zone.
- At present chilli crop at nursery to transplanting stage. Prevailing weather conditions are favourable for **damping off in chilli nurseries**. To control it by drenching of copper oxy chloride @ 3 g per litre of water (or) 1 % Bordeaux mixture, two times at an interval of 7 days. Farmers are advised to dip the seedlings in 5 ml imidachloprid and 10 g carbendazim solution per 10 litres of water for 5 minutes while transplanting.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-224
Date- 31/08/2021

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 6mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 25°C, respectively. Mean relative humidity of the district was around 86-81%.

Forecasted period: Today(8.30IST) to 05thSeptember (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today and Saturday and very light to 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 30-35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-94% and 49-71% 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	01/09/2021	02/09/2021	03/09/2021	04/09/2021	05/09/2021
Rainfall(mm)	13	4	3	8	14
T-Max(°C)	30	31	33	33	35
T-Min(°C)	24	25	25	25	25
Cloud Cover(octa)	7	6	7	2	5
RH Max (%)	94	93	93	92	91
RH Min (%)	71	62	55	51	49
Wind Speed (Kmph)	12	10	10	9	8
Wind Direction (deg)	156	159	180	180	120

Agromet Advisory

- General advisory:** Drain out excess water in standing rice crop as there was moderate rainfall recorded in last week. By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting. Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil.

Kharif rice:

The crop is at tillering stage. Maintain about 2-3 cm standing water during tillering stage. At 21 days after transplanting apply 50% N (35 kg Urea/acre). Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds. Due to soil moisture saturation farmers may prefer chemical weeding.

Weather based Disease and pest of rice

- Present 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. **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10 litre of water for 20 minutes before transplanting. After transplanting if it will happen, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. Due to stagnation of water in the field and high relative humidity in future **Sheathblight - Fungal disease** is common. Excess Nitrogen fertilizer application can accelerate this disease. If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. In early transplanted/direct sown crop, chance for **leaf folder infestation** due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water. Also there may be increase in incidence of **swarming caterpillar** after sunny days followed by heavy rainfall. To control this apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.

Maize: Do not keep the stagnant water as it is raining. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to hot and humid weather, there may be **Aphids and Thrips** attack, then apply Dimethoate 30EC @ 400ml/Acre. Maize crop has been infested with **stem borer**, Apply Thiomethoxam @ 0.4g/ litre of water or 2ml chlorantraniliprole in 1 ltr water.

VEGETABLES:

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.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.
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Bulletin No.-224
 Date- 31/08/2021

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

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

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

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