

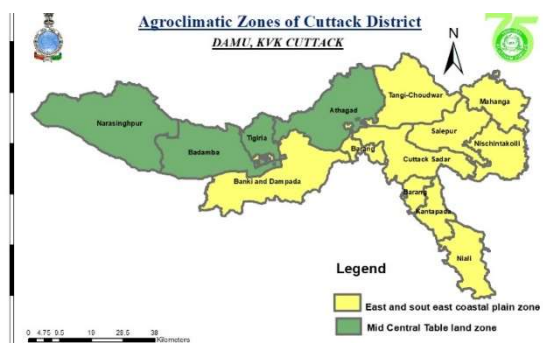


GRAMIN KRISHI MAUSAM SEWA
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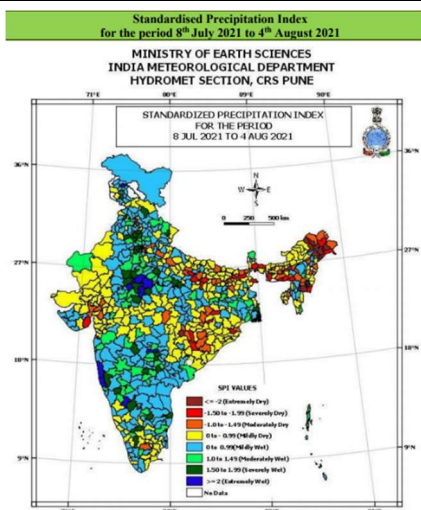


Bulletin No.-218
Date- 10/08/2021

AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



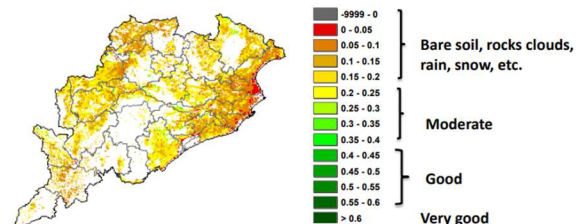
STANDARD PRECIPITATION INDEX AND NDVI MAP



As per SPI value (cumulative 4weeks -08 July 2021 to 04 August 2021), Mildlydry condition was there in Cuttack district.

**NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 31
 (30.07.2021 to 05.08.2021) over Agricultural region**

Odisha



Agriculture vigour is moderate over few places of the state.

According to NDVI map (30.07.2021 to 05.08.2021) the agriculture vigor was light to very light over most of the blocks and and light to moderate over some part of Badamba, Narasinghpur, Dampada blocks of Cuttack district.

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 rainfall	66-115 mm
	Very heavy rainfall	116-205 mm
	Extremely heavy rainfall	>206 mm

Dr Sujata Sethy
 (Nodal officer)



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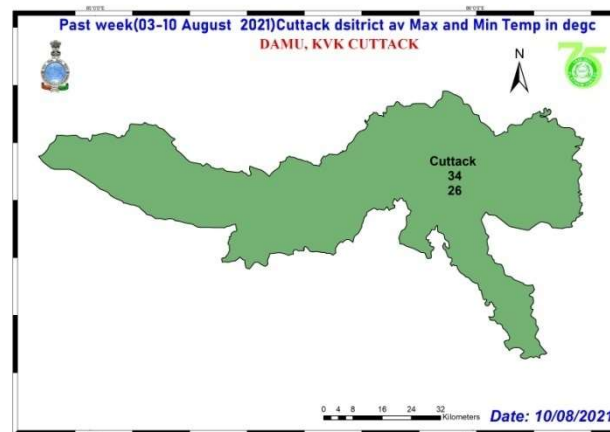
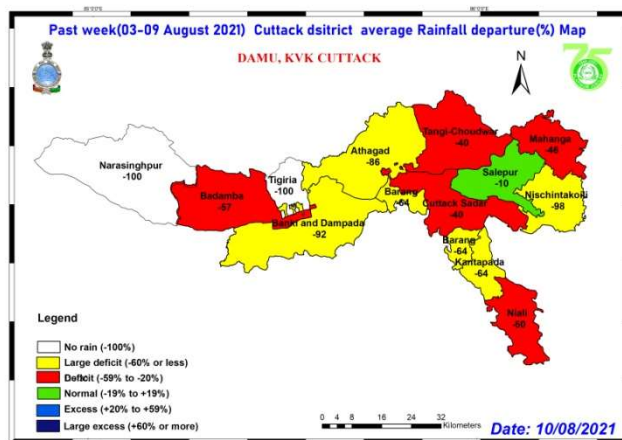


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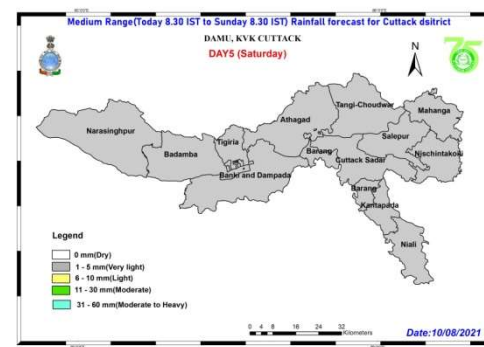
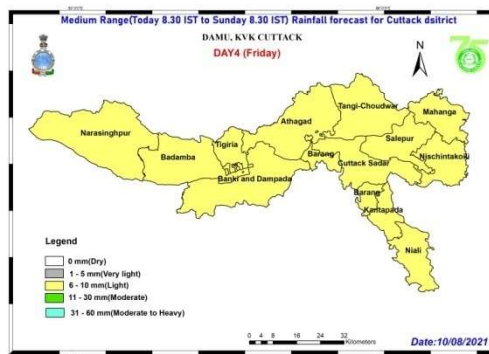
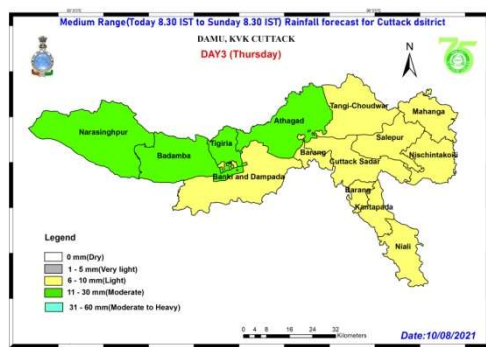
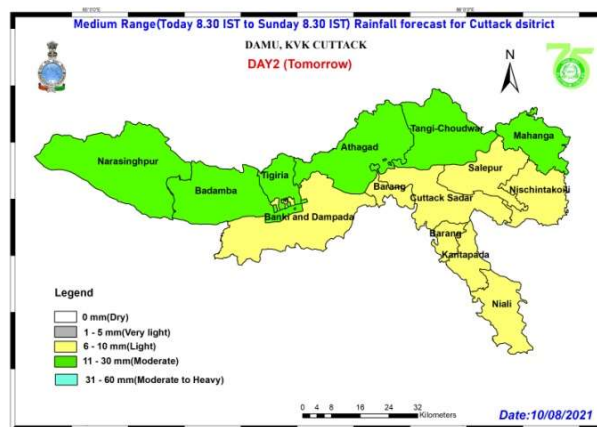
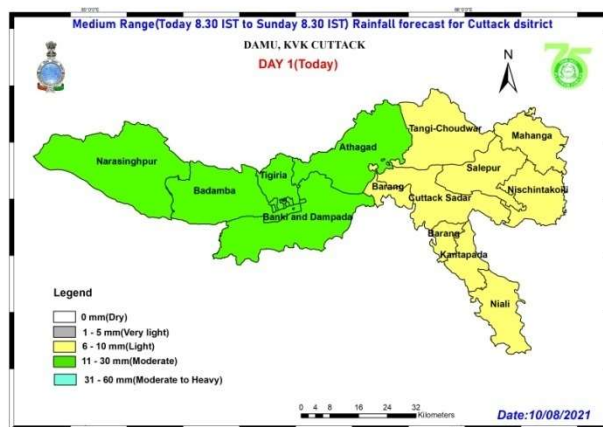


Bulletin No.-218
Date- 10/08/2021

Past week (03-09 August 2021) Cuttack district average Rainfall departure (%) and Temperature map



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



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Bulletin No.-218
Date- 10/08/2021

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	Nursery to transplanting		Sheath blight
2	Sugarcane	Vegetative to Tillering		Weeds
3	Maize	3-5 week stage		Stem fly
				Leaf blight
				Red hairy caterpillar
4	Brinjal, tomato, chilli	seedling		Seedling rot
				Stem rot
5	Tomato and brinjal	Fruting		Bacterial wilt
6	chilli	fruting		Leaf curl
7	okra	Fruting		Fruit and shoot borer
				White fly

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				Jassid
8	Pointed gourd			Fruit rot
9	Banana			Sigatoka
10	Papaya			Yellow mosaic virus

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Bulletin No.-218
Date- 10/08/2021

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (15 th to 21 st August 2021)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	18.81	Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	0.85	Normal
	Minimum temperature	0.35	Normal

General Agromet Advisory:- There will be **normal rainfall in subsequent week after 5 days (15August - 21August 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.**

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.*

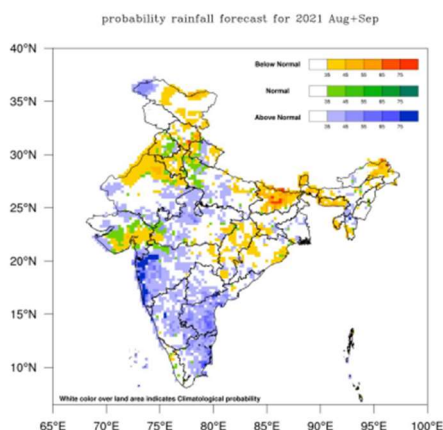


Fig.1. Probability forecast of tercile categories' (below normal, normal and above normal) of rainfall for the second half (August to September) of the 2021 southwest monsoon season over India. The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within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

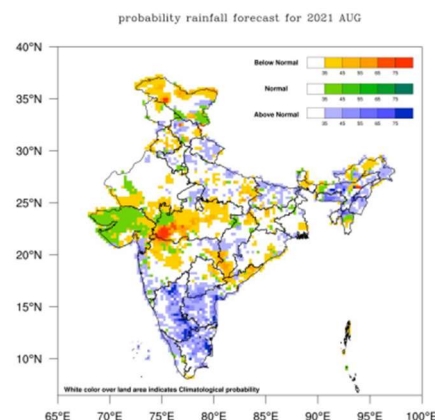


Fig.2. Probability forecast of tercile categories' (below normal, normal and above normal) for the 2021 August rainfall over India. The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within the land area represent climatological probabilities. The 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.-218
Date- 10/08/2021

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 01mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather advisory: *Moderate rainfall is forecasted for today to Thursday and very light to light rainfall is forecasted for next 2days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.* The day temperature will be 33-38°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-79% and 37-46% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall (mm)	11	12	13	7	4
T-Max (°C)	36	35	34	36	34
T-Min (°C)	27	28	27	28	27
Cloud Cover (octa)	7	7	8	8	8
RH Max (%)	79	75	78	79	83
RH Min (%)	41	46	51	44	50
Wind Speed (kmph)	13	11	10	9	8
Wind Direction (deg)	216	225	206	195	162

Agromet Advisory

General advisory: *Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice*

Kharifrice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10. **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. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Maize: After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granules @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlorpyrifos 2ml/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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- 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 Thiamethoxam @ 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)
- 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 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.-218
Date- 10/08/2021

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 03mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today to Thursday and very light to light rainfall is forecasted for next 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 32-37°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-80% and 37-47% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	11	13	15	8	3
T-Max(°C)	37	35	34	35	34
T-Min(°C)	27	27	27	27	26
Cloud Cover(octa)	7	7	8	7	8
RH Max (%)	76	76	77	76	78
RH Min (%)	41	45	49	46	49
Wind Speed (Kmph)	11	10	10	8	7
Wind Direction (deg)	225	225	289	162	297

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

Kharifrice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should be bushanng in medium and low land condition. Apply 35 kg urea/ac at beushanng followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushanng followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azosporillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

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. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Maize: After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlorpyrifos 2ml/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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- 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)
- 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.

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Bulletin No.-218
Date- 10/08/2021

AGROMET ADVISORY BULLETIN FORBANKI

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

The district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather advisory: Light to moderate rainfall is forecasted for today to Friday and very light rainfall is forecasted for next 1day in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 32-38°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-77% and 37-45% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	12	9	10	6	4
T-Max(°C)	36	35	34	36	34
T-Min(°C)	27	27	27	28	27
Cloud Cover(octa)	7	7	8	7	8
RH Max (%)	77	74	76	75	80
RH Min (%)	40	44	48	44	48
Wind Speed (Kmph)	13	12	10	9	8
Wind Direction (deg)	216	225	214	169	162

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharifrice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushanning in medium and low land condition. Apply 35 kg urea/ac at beushanning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushanning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10. **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. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Maize: After 3-4weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlorpyrifos 2ml/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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- 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)
- 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 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.-218
Date- 10/08/2021

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week average weather condition

The block received average 01mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather Advisory: Light to moderate rainfall is forecasted for today to Friday and very light rainfall is forecasted for next 1 day in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 32-38°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-77% and 37-45% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	11	8	9	6	4
T-Max(°C)	36	35	34	36	34
T-Min(°C)	27	27	27	28	27
Cloud Cover(octa)	7	7	8	7	8
RH Max (%)	77	74	76	76	81
RH Min (%)	40	44	49	44	49
Wind Speed (Kmph)	14	12	10	9	8
Wind Direction (deg)	216	225	206	169	162

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

Kharifrice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should be bushanning in medium and low land condition. Apply 35 kg urea/ac at bushanning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while bushanning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azosporillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

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. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Maize: After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granules @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlorpyrifos 2ml/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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- 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 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)
- 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 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.-218
Date- 10/08/2021

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 04mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather advisory: Light rainfall is forecasted for today to Friday and very light rainfall is forecasted for next 1 day in the block. **Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 33-38°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-75% and 36-45% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	10	7	7	6	3
T-Max(°C)	35	35	34	36	34
T-Min(°C)	28	28	27	27	27
Cloud Cover	7	7	8	7	8
RH Max (%)	73	73	76	78	80
RH Min (%)	41	43	48	43	48
Wind Speed (Kmph)	16	12	11	10	9
Wind Direction (deg)	208	225	206	200	165

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

Kharifrice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushanning in medium and low land condition. Apply 35 kg urea/ac at beushanning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushanning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10. **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. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Maize: After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granules @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlorpyrifos 2ml/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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- 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)
- 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 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.-218
Date- 10/08/2021

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 06mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather advisory: *Light rainfall is forecasted for today to Friday and very light rainfall is forecasted for next 1 day in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.* The day temperature will be 33-38°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-76% and 36-45% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	10	8	9	6	3
T-Max(°C)	35	35	34	36	34
T-Min(°C)	28	28	28	28	27
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	76	74	76	79	81
RH Min (%)	40	45	50	45	50
Wind Speed (Kmph)	15	12	11	10	9
Wind Direction (deg)	216	210	210	200	180

Agromet Advisory

General advisory: *Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice*

Kharifrice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or carthaydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10. **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. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Sugarcane: As maximum sugarcane is seedling to tillering stage then go for irrigation in 7-12 days interval based upon forecast of rain. Weeding and earthing up should be done in this time after that Top dressing of Urea @30 kg/acre for 30-60 days old sugarcane plant. To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @0.8-2kg/acre of moist field.

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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- 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 Thiamethoxam @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)
- 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
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Bulletin No.-218
Date- 10/08/2021

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 05mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather advisory: Light rainfall is forecasted for today to Friday and very light rainfall is forecasted for next 1 day in the block. **Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 32-38°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-74% and 38-46% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	9	8	8	6	3
T-Max(°C)	35	35	34	35	33
T-Min(°C)	28	28	27	27	27
Cloud Cover(octa)	6	7	8	7	8
RH Max (%)	72	76	75	78	79
RH Min (%)	43	42	47	43	48
Wind Speed (Kmph)	18	13	11	12	10
Wind Direction (deg)	208	205	208	197	171

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

Kharifrice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10. **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. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

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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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- 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)
- 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.-218
Date- 10/08/2021

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 07mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for tomorrow and light to very light rainfall is forecasted for other 4 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 33-38°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-77% and 36-45% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	10	12	9	7	3
T-Max(°C)	35	35	34	35	33
T-Min(°C)	27	27	27	27	26
Cloud Cover(octal)	7	7	8	8	8
RH Max (%)	76	77	78	80	81
RH Min (%)	44	44	50	45	51
Wind Speed (Kmph)	16	13	13	13	11
Wind Direction (deg)	208	207	207	197	191

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

Kharifrice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10. **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. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Sugarcane: As maximum sugarcane is seedling to tillering stage then go for irrigation in 7-12 days interval based upon forecast of rain. Weeding and earthing up should be done in this time after that Top dressing of Urea @30 kg/acre for 30-60 days old sugarcane plant. To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @0.8-2kg/acre of moist field.

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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- 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)
- 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.-218
Date- 10/08/2021

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 0mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today to Thursday and very light to light rainfall is forecasted for next 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 33-37°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-85% and 38-47% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	13	12	14	6	3
T-Max(°C)	36	35	34	35	33
T-Min(°C)	26	26	26	26	25
Cloud Cover(/octa)	7	7	8	8	8
RH Max (%)	74	80	81	79	76
RH Min (%)	39	45	50	48	51
Wind Speed (Kmph)	8	8	8	6	6
Wind Direction (deg)	248	225	279	293	293

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

Kharif rice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should be weeding in medium and low land condition. Apply 35 kg urea/ac at weeding followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg SSP and 26 kg MOP while weeding followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10. **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. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Maize: After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. Celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granules @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlorpyrifos 2ml/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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- 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 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)
- 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 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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AGROMET ADVISORY BULLETIN FOR NIALI



Bulletin No.-218
Date- 10/08/2021

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

The block received average 06mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather advisory: Light rainfall is forecasted for today to Friday and very light rainfall is forecasted for next 1 day in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 32-37°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-73% and 37-47% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	8	7	9	6	3
T-Max(°C)	35	36	35	35	33
T-Min(°C)	28	28	28	27	27
Cloud Cover(octa)	6	7	7	7	7
RH Max (%)	72	76	73	76	78
RH Min (%)	45	42	46	44	49
Wind Speed(Kmph)	19	14	13	14	12
Wind Direction(deg)	225	207	207	204	191

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

Kharifrice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushanning in medium and low land condition. Apply 35 kg urea/ac at beushanning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushanning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10. 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. If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Sugarcane: As maximum sugarcane is seedling to tillering stage then go for irrigation in 7-12 days interval based upon forecast of rain. Weeding and earthing up should be done in this time after that Top dressing of Urea @30 kg/acre for 30-60 days old sugarcane plant. To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @0.8-2kg/acre of moist field.

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. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for Upward and downward leafcurl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- 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)
- 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.-218
Date- 10/08/2021

Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 0mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weatheradvisory: Light rainfall is forecasted for today to Friday and very light rainfall is forecasted for next 1 day in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 33-38°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-77% and 36-46% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	9	8	9	6	3
T-Max(°C)	35	35	34	35	33
T-Min(°C)	28	27	27	27	27
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	75	78	78	80	80
RH Min (%)	44	44	49	45	50
Wind Speed (Kmph)	16	12	12	13	11
Wind Direction (deg)	208	207	207	197	191

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

Kharifrice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushanning in medium and low land condition. Apply 35 kg urea/ac at beushanning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushanning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10. **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. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Sugarcane: As maximum sugarcane is seedling to tillering stage then go for irrigation in 7-12 days interval based upon forecast of rain. Weeding and earthing up should be done in this time after that Top dressing of Urea @30 kg/acre for 30-60 days old sugarcane plant. To control dicot weeds farmers may go for spraying of pre emergence herbicide atrazine @0.8-2kg/acre of moist field.

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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- 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)
- 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.

AGROMET ADVISORY

Dr Sujata Sethy
(Nodal officer)



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BULLETIN FOR SALEPUR

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GRAMIN KRISHI MAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK (A Unit of ICAR-National Rice Research Institute)



Bulletin No.-218
Date- 10/08/2021

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

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

The block received average 09mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather advisory: Light rainfall is forecasted for today to Friday and very light rainfall is forecasted for next 1 day in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 33-38°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-77% and 36-45% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	10	8	9	7	3
T-Max(°C)	35	35	34	35	34
T-Min(°C)	28	28	27	27	27
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	75	77	78	80	80
RH Min (%)	43	44	50	45	50
Wind Speed (Kmph)	16	12	12	12	11
Wind Direction (deg)	208	207	208	197	191

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

Kharifrice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushanning in medium and low land condition. Apply 35 kg urea/ac at beushanning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg SSP and 26 kg MOP while beushanning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10. **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. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Maize: After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. Celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granules @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlorpyrifos 2ml/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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- 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 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)
- 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.

AGROMET ADVISORY

Dr Sujata Sethy
(Nodal officer)



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BULLETIN FOR TANGI-CHOUDWAR

Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



GRAMIN KRISHI MAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK (A Unit of ICAR-National Rice Research Institute)



**Bulletin No.-218
Date- 10/08/2021**

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

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

The block received average 06mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for tomorrow and light to very light rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 35-38°C and night temperature will be 29-31°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-77% and 42-50% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	10	12	9	7	4
T-Max(°C)	36	37	37	36	35
T-Min(°C)	30	30	30	29	29
Cloud Cover(octa)	6	6	7	7	7
RH Max (%)	76	78	74	78	79
RH Min (%)	54	48	50	54	58
Wind Speed (Kmph)	22	18	19	21	15
Wind Direction (deg)	207	204	201	203	198

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharifrice: (Direct seeded rice) Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10. **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. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.
- Maize:** After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Now the weather condition prefers occurrence of **red hairy caterpillar** in maize, then go for spraying of neem oil 5ml/ltr or chlorpyrifos 2ml/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. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. 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.
- The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- 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 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)
- 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 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.

AGROMET ADVISORY

Dr Sujata Sethy
(Nodal officer)



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BULLETIN FOR TIGIRIA

Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No.-218
Date- 10/08/2021

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

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

The block received average 00mm and district received average 04mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 78-77%.

Forecasted period: Today(8.30IST) to 15th August (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today to Thursday and very light to light rainfall is forecasted for next 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 32-38°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-78% and 38-47% 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	11/08/2021	12/08/2021	13/08/2021	14/08/2021	15/08/2021
Rainfall(mm)	12	11	13	6	4
T-Max(°C)	36	35	34	36	34
T-Min(°C)	27	27	27	28	27
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	79	76	78	77	82
RH Min (%)	41	47	51	45	49
Wind Speed (Kmph)	12	10	9	8	7
Wind Direction (deg)	216	225	214	161	162

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (15-21 August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

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Transplanted rice:

- Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 5. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 6. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 7. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 8. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10. 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. If sheath blight will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

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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. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
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- **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.-218
 Date- 10/08/2021

			
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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