

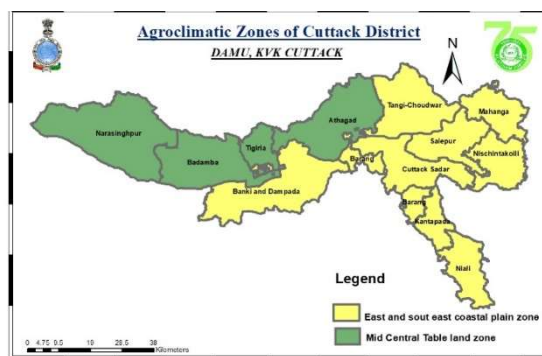


GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
 (A Unit of ICAR-National Rice Research Institute)
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

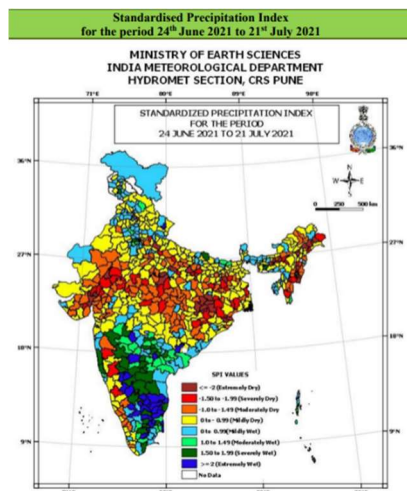


Bulletin No.-214
 Date- 27/07/2021

AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



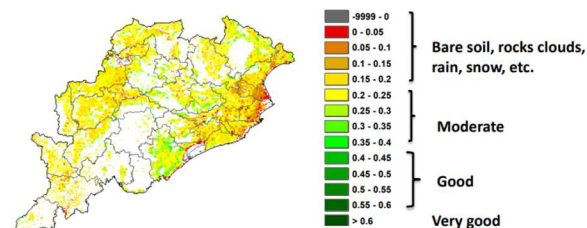
STANDARD PRECIPITATION INDEX AND NDVI MAP



As per SPI value (cumulative 4weeks -24 June 2021 to 21 July 2021), Mild/dry condition was there in Cuttack district.

NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 29
 (16.07.2021 to 22.07.2021) over Agricultural region

Odisha



Agriculture vigour is moderate over few places of the state.

According to NDVI map (16.07.2021 to 22.07.2021) the agriculture vigor was light over most of the blocks and very light over some part of Athagad, Banki Dampara and Niali blocks and light to moderate over some part of Badamba, Narasinghpur 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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Debasish Jena
 SMS (Agrometeorology)
 Contact No-9861445080/7008453427

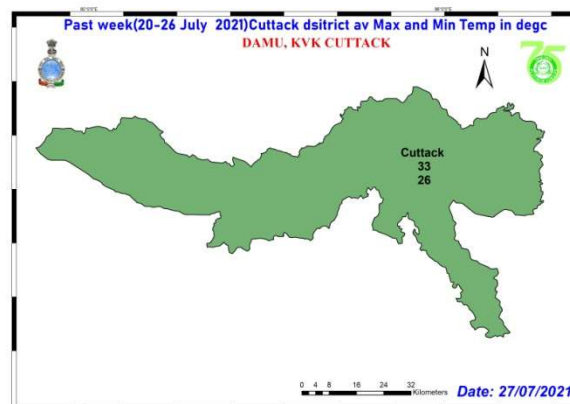
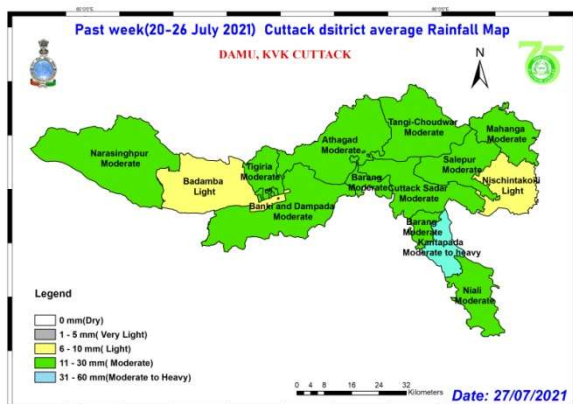


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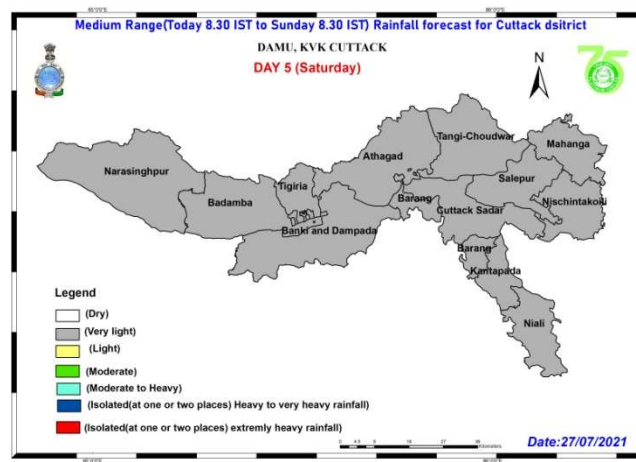
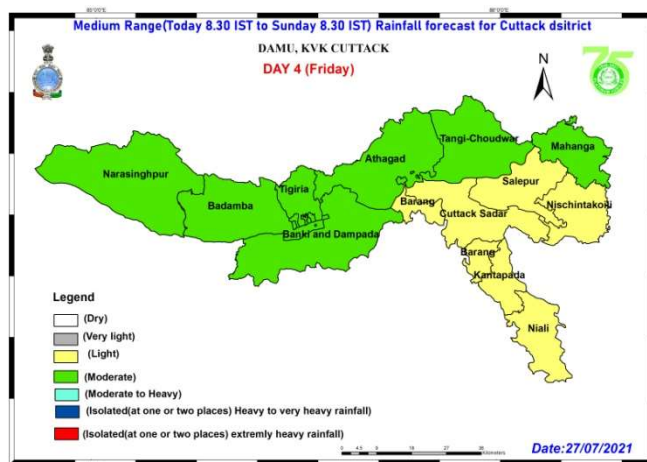
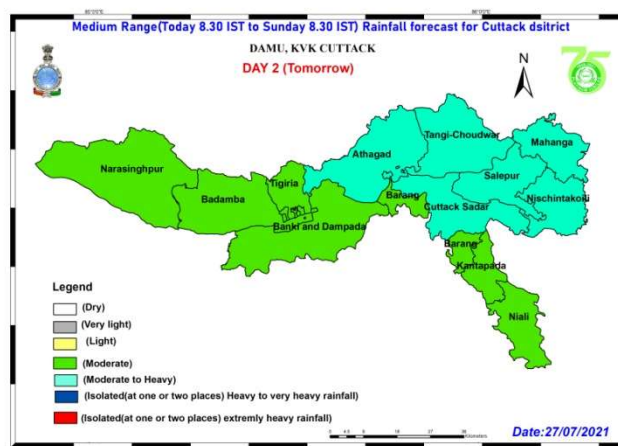
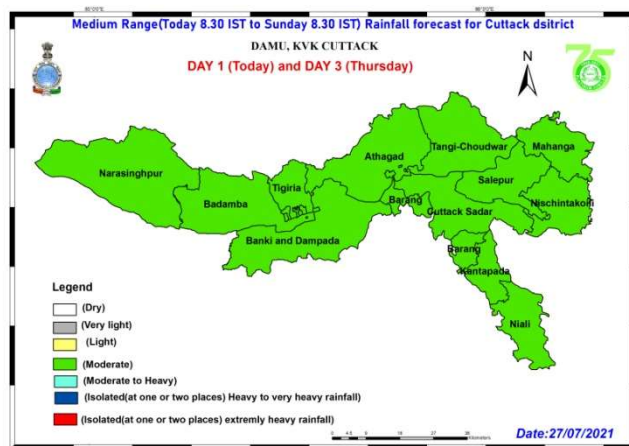


Bulletin No.-214
Date- 27/07/2021

Past week (20-26 July 2021) Cuttack district Rainfall and Temperature map



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



Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427













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Bulletin No.-214
Date- 27/07/2021

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		Early shot borer
				Top borer
				Smut
				Inter node borer
3	Maize	5 week stage		Stem fly
				Leaf blight
				Stalk rot
4	Brinjal, tomato, chilli	seedling		Seedling rot
				Stem rot

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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5	Tomato and brinjal	Fruting		Bacterial wilt
6	chilli	fruting		Leaf curl
7	okra	Fruting		Fruit and shoot borer
				White fly
				Jassid
8	Pointed gourd			Fruit rot
9	Banana			Sigatoka
10	Papaya			Yellow mosaic virus

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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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Bulletin No.-214
Date- 27/07/2021

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (01 st to 7 th August 2021)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	-44.81	Below Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	1.91	Above Normal
	Minimum temperature	0.72	Normal

General Agromet Advisory:- There will be **below normal rainfall in subsequent week after 5 days (28 July-3 August 2021) in Odisha condition,** and there will be **light to moderate with isolated heavy rainfall tomorrow** rainfall is forecasted for upcoming 5 days farmers are advised to **go for transplanting activity in this week only as there will be below normal rainfall condition in subsequent week.**

Updated Long range forecast for the 2021 South-west Monsoon seasonal rainfall

- *This year, Southwest Monsoon has set in over Kerala today, the 3rd June, 2021, against the normal date of 1st June.*
- Southwest monsoon seasonal (June to September) rainfall over the country as a whole is most likely to be **normal** (96 to 104 % of Long Period Average (LPA)). (**Fig.1.**)
- Quantitatively, the monsoon seasonal (June to September) rainfall over the country as a whole is likely to be **101% of the Long Period Average (LPA) with a model error of $\pm 4\%$.** The LPA of the season rainfall over the country as a whole for the period 1961-2010 is 88 cm.
- The southwest monsoon seasonal (June to September) rainfall over the monsoon core zone, which consists of most of the rainfed agriculture regions in the country is most likely to be **Above Normal (>106% of LPA).**
- **Monthly rainfall for the July 2021 over the country as a whole is most likely to be normal (94 to 106 % of Long Period Average (LPA)). (Fig.2.)**
- *Hence Farmers should prepare the crop plan depending upon the land type, irrigation facility for transplanting of kharif rice.*

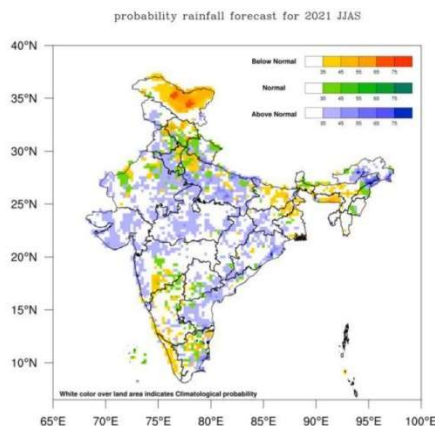


Fig.1. Updated Probability forecast of tercile categories* (below normal, normal and above normal) for the seasonal rainfall over India during the 2021 southwest monsoon season (June - September). The figure illustrates the most likely categories as well as their probabilities. The white shaded areas 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).

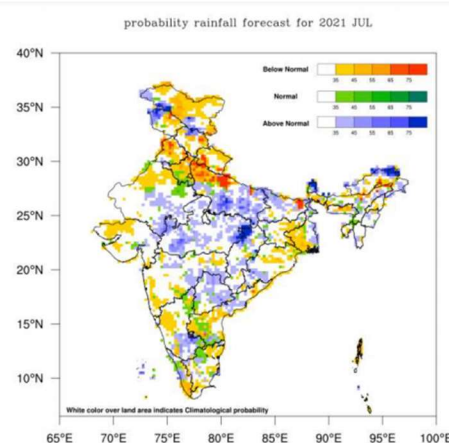


Fig.1. Probability forecast of tercile categories* (below normal, normal and above normal) for the rainfall over India during July 2021. The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within the land area represent climatological probabilities.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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-214
Date- 27/07/2021

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 11mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weather advisory: *Moderate to isolated heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for today, Thursday and Friday and very light rainfall is forecasted for other 1 day in the block.* **Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 26-33°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-91% and 48-81% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall (mm)	20	38	30	12	4
T-Max (°C)	33	26	26	28	31
T-Min (°C)	26	25	24	24	25
Cloud Cover (octa)	8	8	8	8	8
RH Max (%)	83	89	91	79	78
RH Min (%)	48	81	81	63	56
Wind Speed (kmph)	16	13	15	17	14
Wind Direction (deg)	252	259	252	238	248

Agromet Advisory

General advisory: In view of the possibility of heavy rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields. **Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.**

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity **Sheath blight** Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole + Difenconazole 1ml/liter of water.

Maize: Do not allow the rain water to stand in the main crop as this crop is highly sensitive to standing water and promotes **bacterial stalk rot**. To prevent this disease apply Copper oxychloride 50% WP @ 3 g/litre of water. **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.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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)

Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachlopid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnarekha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied only in dry days.

Dr Sujata Sethy
(Nodal officer)



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



Bulletin No.-214
Date- 27/07/2021

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 9mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today to Friday and very light rainfall is forecasted for other 1 day in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 26-33°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-92% and 47-80% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	12	21	28	11	4
T-Max(°C)	33	27	26	27	31
T-Min(°C)	24	24	23	23	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	85	89	92	81	77
RH Min (%)	47	78	80	65	54
Wind Speed (Kmph)	17	12	14	16	15
Wind Direction (deg)	252	252	252	225	243

Agromet Advisory

General advisory: In view of the possibility of moderate rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields. Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity Sheath blight Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

Maize: Do not allow the rain water to stand in the main crop as this crop is highly sensitive to standing water and promotes bacterial stalk rot. To prevent this disease apply Copper oxychloride 50% WP @ 3 g/litre of water. 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.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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)

Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied only in dry days.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-214
Date- 27/07/2021

AGROMET ADVISORY BULLETIN FORBANKI

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

The district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weather advisory: *Moderate rainfall is forecasted for today to Friday and very light rainfall is forecasted for other 1 day in the block.*
Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 26-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-90% and 46-79% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	14	24	16	11	4
T-Max(°C)	33	26	26	28	32
T-Min(°C)	25	24	24	24	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	85	88	90	78	77
RH Min (%)	46	78	79	61	51
Wind Speed (Kmph)	18	13	15	17	15
Wind Direction (deg)	252	257	252	225	246

Agromet Advisory

General advisory: In view of the possibility of heavy rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields. Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity **Sheath blight** Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

Maize: Do not allow the rain water to stand in the main crop as this crop is highly sensitive to standing water and promotes **bacterial stalk rot**. To prevent this disease apply Copper oxychloride 50% WP @ 3 g/litre of water. **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.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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 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)

Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied only in dry days.

Dr Sujata Sethy
(Nodal officer)



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



Bulletin No.-214
Date- 27/07/2021

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week average weather condition

The block received average 12mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weather Advisory: *Moderate rainfall is forecasted for today to Friday and very light rainfall is forecasted for other 1 day in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.* The day temperature will be 26-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-90% and 46-79% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	13	26	17	12	4
T-Max(°C)	33	26	26	28	32
T-Min(°C)	25	24	24	24	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	85	88	90	78	77
RH Min (%)	46	78	79	61	52
Wind Speed (Kmph)	17	13	16	17	15
Wind Direction (deg)	252	257	252	225	246

Agromet Advisory

General advisory: In view of the possibility of moderate rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields. Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity **Sheath blight** Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

Maize: Do not allow the rain water to stand in the main crop as this crop is highly sensitive to standing water and promotes **bacterial stalk rot**. To prevent this disease apply Copper oxychloride 50% WP @ 3 g/litre of water. **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.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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)

Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnarekha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied only in dry days.

Dr Sujata Sethy
(Nodal officer)



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APP for Lightening alert in your area



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



Bulletin No.-214
Date- 27/07/2021

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 23mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today to Thursday and very light to light rainfall is forecasted for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 26-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-90% and 45-81% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	13	28	12	7	3
T-Max(°C)	33	25	26	29	31
T-Min(°C)	25	24	24	25	25
Cloud Cover	8	8	8	8	8
RH Max (%)	85	90	88	76	78
RH Min (%)	45	81	74	60	54
Wind Speed (Kmph)	19	15	18	19	14
Wind Direction (deg)	252	257	249	238	246

Agromet Advisory

General advisory: In view of the possibility of moderate rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields. Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity Sheath blight Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

Maize: Do not allow the rain water to stand in the main crop as this crop is highly sensitive to standing water and promotes bacterial stalk rot. To prevent this disease apply Copper oxychloride 50% WP @ 3 g/litre of water. 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.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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)

Fruits: Spray mancozeb 2g/litre, to control sigatoka leaf spot in banana. To control papaya yellow mosaic virus, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied only in dry days.

Dr Sujata Sethy
(Nodal officer)



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APP for Lightening alert in your area



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



Bulletin No.-214
Date- 27/07/2021

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 12mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weatheradvisory: *Moderate to isolated heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for today, Thursday and very light to light rainfall is forecasted for other 2 days in the block.* **Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 25-33°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-89% and 46-82% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	11	40	15	6	3
T-Max(°C)	33	25	26	28	31
T-Min(°C)	26	25	24	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	84	89	89	77	79
RH Min (%)	46	82	75	62	56
Wind Speed (Kmph)	18	16	18	19	14
Wind Direction (deg)	252	257	252	238	248

Agromet Advisory

General advisory: In view of the possibility of heavy rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields. Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity **Sheath blight** Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

Sugarcane: The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the **early shoot borer and top borer infestation** in sugarcane spray Profenofos 400ml per acre @ 2ml/lit of water. Due to warm and humid condition there may be chance of **smut disease**, to control spray propiconazole @ 1 ml/l or tebuconazole @ 1 ml/l. In present weather condition for **Inter nodes borer**- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre at 15 days intervals starting from 4th month onwards. Avoid the use of excessive nitrogenous fertilizers.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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)

Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakheha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P₂O₅ and 60 g K₂O fertilizer should be applied only in dry days.

Dr Sujata Sethy
(Nodal officer)



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



Bulletin No.-214
Date- 27/07/2021

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 32mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weather advisory: **Moderate rainfall is forecasted for today to Thursday and very light to light rainfall is forecasted for other 2 days in the block.** **Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 25-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-90% and 44-79% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	15	27	16	6	5
T-Max(°C)	34	25	26	29	31
T-Min(°C)	25	24	24	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	85	90	86	74	78
RH Min (%)	44	79	71	58	53
Wind Speed (Kmph)	20	15	19	20	14
Wind Direction (deg)	251	252	249	238	243

Agromet Advisory

General advisory: In view of the possibility of moderate rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields. Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity **Sheath blight** Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

Sugarcane: The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the **early shoot borer and top borer infestation** in sugarcane spray Profenofos 400ml per acre @ 2ml/lit of water. Due to warm and humid condition there may be chance of **smut disease**, to control spray propiconazole @ 1 ml/l or tebuconazole @ 1 ml/l. In present weather condition for **Inter nodes borer**- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre at 15 days intervals starting from 4th month on wards. Avoid the use of excessive nitrogenous fertilizers.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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)

Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnarekha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P₂O₅ and 60 g K₂O fertilizer should be applied only in dry days.

Dr Sujata Sethy
(Nodal officer)



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



Bulletin No.-214
Date- 27/07/2021

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 15mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weather advisory: Moderate to isolated heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for today, Thursday and very light to light rainfall is forecasted for other 2 days in the block. **Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be and it will be 25-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-90% and 47-82% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	24	48	25	6	4
T-Max(°C)	33	25	27	29	30
T-Min(°C)	25	24	24	25	25
Cloud Cover(octal)	8	8	8	8	8
RH Max (%)	85	90	87	77	79
RH Min (%)	47	82	71	62	58
Wind Speed (Kmph)	19	20	22	21	14
Wind Direction (deg)	252	257	252	238	248

Agromet Advisory

General advisory: In view of the possibility of heavy rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields. Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity **Sheath blight** Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

Sugarcane: The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the **early shoot borer and top borer infestation** in sugarcane spray Profenofos 400ml per acre @ 2ml/lit of water. Due to warm and humid condition there may be chance of **smut disease**, to control Spray propiconazole @ 1 ml/l or tebuconazole @ 1 ml/l. In present weather condition For **Inter nodes borer**- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre at 15 days intervals starting from 4th month onwards. Avoid the use of excessive nitrogenous fertilizers.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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)

Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnarekha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P₂O₅ and 60 g K₂O fertilizer should be applied only in dry days.

Dr Sujata Sethy
(Nodal officer)



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



Bulletin No.-214
Date- 27/07/2021

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 20mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weather advisory: *Moderate rainfall is forecasted for today to Friday and very light rainfall is forecasted for other 1 day in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.* The day temperature will be 25-33°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-94% and 47-81% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	12	20	28	16	3
T-Max(°C)	33	28	25	26	31
T-Min(°C)	24	23	22	22	23
Cloud Cover(/octa)	8	8	8	8	8
RH Max (%)	86	91	94	87	80
RH Min (%)	47	69	81	70	57
Wind Speed (Kmph)	13	10	11	12	12
Wind Direction (deg)	257	270	252	238	238

Agromet Advisory

General advisory: In view of the possibility of moderate rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields.

Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity **Sheath blight** Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

Maize: Do not allow the rain water to stand in the main crop as this crop is highly sensitive to standing water and promotes **bacterial stalk rot**. To prevent this disease apply Copper oxychloride 50% WP @ 3 g/litre of water. **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.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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)

Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P₂O₅ and 60 g K₂O fertilizer should be applied only in dry days.

Dr Sujata Sethy
(Nodal officer)



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APP for Lightening alert in your area



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



Bulletin No.-214
Date- 27/07/2021

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

The block received average 23mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weather advisory: *Moderate rainfall is forecasted for today to Thursday and very light to light rainfall is forecasted for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.* The day temperature will be 26-34°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-88% and 44-76% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	20	29	16	7	4
T-Max(°C)	34	26	27	30	31
T-Min(°C)	25	24	24	25	26
Cloud Cover(octa)	8	8	8	8	7
RH Max (%)	83	88	85	74	77
RH Min (%)	44	76	71	57	52
Wind Speed(Kmph)	20	16	20	21	15
Wind Direction(deg)	244	252	249	243	238

Agromet Advisory

General advisory: In view of the possibility of moderate rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields. Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity **Sheath blight** Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

Sugarcane: The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the **early shoot borer and top borer infestation** in sugarcane spray Profenofos 400ml per acre @ 2ml/lit of water. Due to warm and humid condition there may be chance of **smut disease**, to control Spray propiconazole @ 1 ml/l or tebuconazole @ 1 ml/l. In present weather condition For **Inter nodes borer**- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre at 15 days intervals starting from 4th month on wards. Avoid the use of excessive nitrogenous fertilizers.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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)

Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P₂O₅ and 60 g K₂O fertilizer should be applied only in dry days.

Dr Sujata Sethy
(Nodal officer)



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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.-214
Date- 27/07/2021

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 09mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weatheradvisory: Moderate to isolated heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for today, Thursday and very light to light rainfall is forecasted for other 2 days in the block. **Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 25-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-91% and 46-84% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	28	49	24	6	3
T-Max(°C)	33	25	27	29	30
T-Min(°C)	25	24	24	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	86	91	87	76	78
RH Min (%)	46	84	71	61	56
Wind Speed (Kmph)	19	19	21	21	13
Wind Direction (deg)	252	252	252	238	248

Agromet Advisory

General advisory: In view of the possibility of heavy rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields. Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity **Sheath blight** Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

Sugarcane: The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the **early shoot borer and top borer infestation** in sugarcane spray Profenofos 400ml per acre @ 2ml/lit of water. Due to warm and humid condition there may be chance of **smut disease**, to control Spray propiconazole @ 1 ml/l or tebuconazole @ 1 ml/l. In present weather condition For **Inter nodes borer**- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre at 15 days intervals starting from 4th month onwards. Avoid the use of excessive nitrogenous fertilizers.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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)

Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakheka, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied only in dry days.

Dr Sujata Sethy
(Nodal officer)



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



Bulletin No.-214
Date- 27/07/2021

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

The block received average 16mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weather advisory: Moderate to isolated heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for today, Thursday and very light to light rainfall is forecasted for other 2 days in the block. **Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 25-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-91% and 46-84% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	26	46	25	6	3
T-Max(°C)	33	25	27	29	30
T-Min(°C)	25	24	24	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	86	91	87	76	78
RH Min (%)	46	84	71	61	57
Wind Speed (Kmph)	19	19	21	21	14
Wind Direction (deg)	252	252	252	238	248

Agromet Advisory

General advisory: In view of the possibility of heavy rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields. Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity **Sheath blight** Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

Maize: Do not allow the rain water to stand in the main crop as this crop is highly sensitive to standing water and promotes **bacterial stalk rot**. To prevent this disease apply Copper oxychloride 50% WP @ 3 g/litre of water. **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.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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)

Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P₂O₅ and 60 g K₂O fertilizer should be applied only in dry days.

Dr Sujata Sethy
(Nodal officer)



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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)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR TANGI-CHoudwar



Bulletin No.-214
Date- 27/07/2021

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

The block received average 23mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weather advisory: *Moderate to isolated heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for today, Thursday and Friday and very light rainfall is forecasted for other 1 day in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.* The day temperature will be 28-35°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-90% and 51-80% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	26	50	28	13	3
T-Max(°C)	35	28	29	33	33
T-Min(°C)	27	26	27	28	28
Cloud Cover(octa)	8	8	8	8	7
RH Max (%)	84	90	83	74	78
RH Min (%)	51	80	73	61	55
Wind Speed (Kmph)	23	24	25	24	19
Wind Direction (deg)	248	270	249	246	238

Agromet Advisory

General advisory: In view of the possibility of heavy rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields. Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity **Sheath blight** Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

Maize: Do not allow the rain water to stand in the main crop as this crop is highly sensitive to standing water and promotes **bacterial stalk rot**. To prevent this disease apply Copper oxychloride 50% WP @ 3 g/litre of water. **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.

VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

- 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)

Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied only in dry days.

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KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR TIGIRIA



Bulletin No.-214
Date- 27/07/2021

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

The block received average 12mm and district received average 16mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 26°C, respectively. Mean relative humidity of the district was around 91-84%.

Forecasted period: Today(8.30IST) to 01st August (8.30IST)2021

Weather advisory: Moderate rainfall is forecasted for today to Friday and very light rainfall is forecasted for other 1 day in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 26-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-92% and 48-82% 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	28/07/2021	29/07/2021	30/07/2021	31/07/2021	01/08/2021
Rainfall(mm)	16	22	28	14	4
T-Max(°C)	33	26	26	28	31
T-Min(°C)	25	24	24	24	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	83	90	92	80	78
RH Min (%)	48	80	82	64	56
Wind Speed (Kmph)	16	12	14	17	15
Wind Direction (deg)	252	251	252	225	243

Agromet Advisory

General advisory: In view of the possibility of moderate rainfall at isolated places farmers are advised to provide adequate drainage facilities in standing kharif crops, vegetables and orchards. Drain out excess water and maintain optimum water level of 2.5 to 5 cm in transplanted rice fields.

Postpone intercultural operations, application of plant protection chemicals and fertilizers to the standing kharif crops.

Kharifrice:(DIRECT SEEDED RICE): Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted in the upcoming days, farmers should go for beushanning. 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: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Due to stagnation of water in the field and high relative humidity **Sheath blight** Fungal disease is common. Excess Nitrogen fertilizer application can accelerate this disease. Drain out excess water from infected field. 2) Reduce the dose of Nitrogen fertilizer. 3) Bio fungicide like Trichoderma, Pseudomonas Fluorescens is also good. 4) Spray Propiconazole+ Difenconazole 1ml/liter of water.

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VEGETABLES: June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.

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Fruits: Spray mancozeb 2g/litre, to control **sigatoka** leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied only in dry days.

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(Nodal officer)



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Debasish Jena
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INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
 (A Unit of ICAR-National Rice Research Institute)
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



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 Date- 27/07/2021

			
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- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.

<https://play.google.com/store/apps/details?id=com.aas.meghdoot>

- Kindly install and use **“Damini mobile App”** for location specific for lightening forecast and warnings.

<https://play.google.com/store/apps/details?id=com.lightening.live.damini>

- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- 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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