

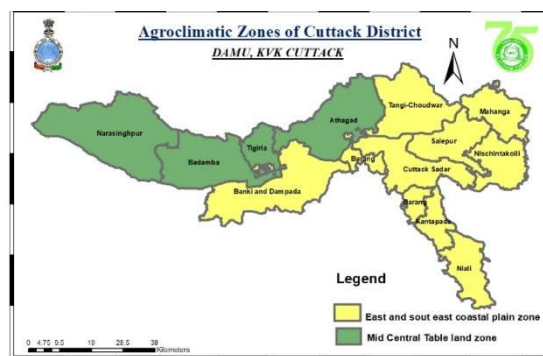


**GRAMIN KRISHI MAUSAM SEWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
 (A Unit of ICAR-National Rice Research Institute)  
 Email: kvkcuttack@gmail.com

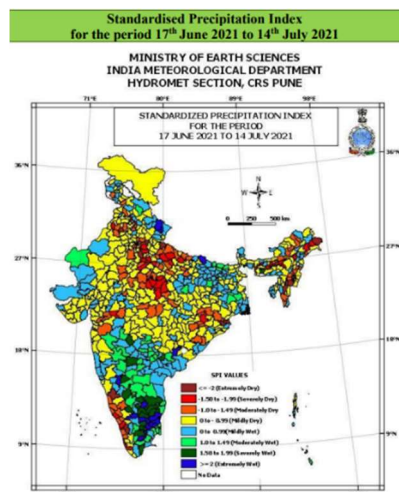


Bulletin No.-211  
Date- 16/07/2021

## AGROCLIMATIC ZONES OF CUTTACK DISTRICT:

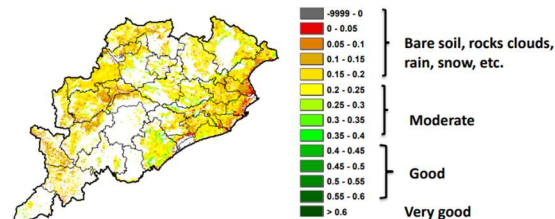


## STANDARD PRECIPITATION INDEX AND NDVI MAP



NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 27  
(02.07.2021 to 08.07.2021) over Agricultural region

**Odisha**



Agriculture vigour is moderate over few places of the state.

**As per SPI value (cumulative 4weeks -17 June 2021 to 14July 2021), Mildly dry condition was there in Cuttack district.**

**According to NDVI map (02.07.2021 to 08.07.2021) the agriculture vigor was light over most of the blocks and very light over some part of Athagad, Banki Dampara and Niali blocks light to moderate over some part of Badamba, Narasinghpur blocks of Cuttack district.**

### **LEGEND (Medium range block level rainfall forecast)**

	<b>No Rainfall</b>	<b>00 mm</b>
	<b>Very light rainfall</b>	<b>01-05 mm</b>
	<b>Light rainfall</b>	<b>06-10 mm</b>
	<b>Light to moderate rainfall</b>	<b>11-30 mm</b>
	<b>Moderate to heavy rainfall</b>	<b>31-65 mm</b>
	<b>Heavy rainfall</b>	<b>66-115 mm</b>
	<b>Very heavy rainfall</b>	<b>116-205 mm</b>
	<b>Extremely heavy rainfall</b>	<b>&gt;206 mm</b>

Dr Sujata Sethy  
(Nodal officer)



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

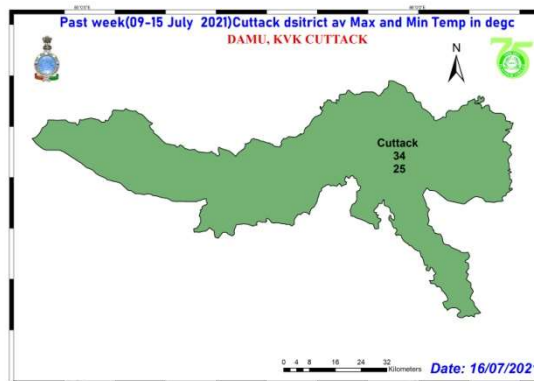
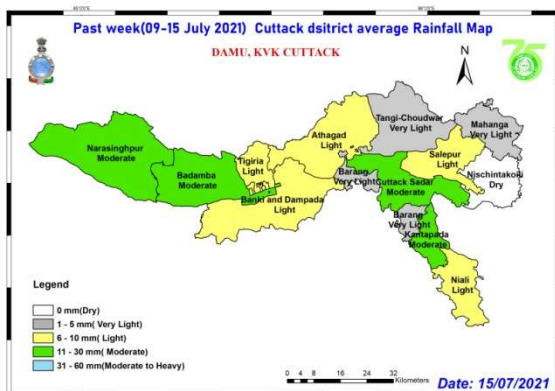


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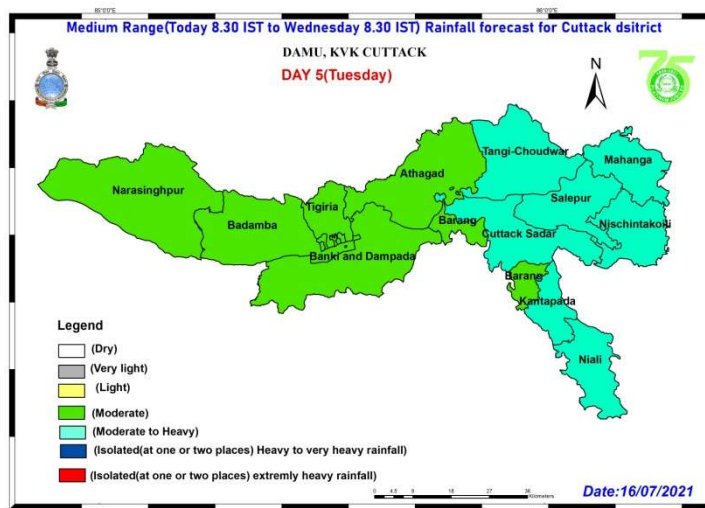
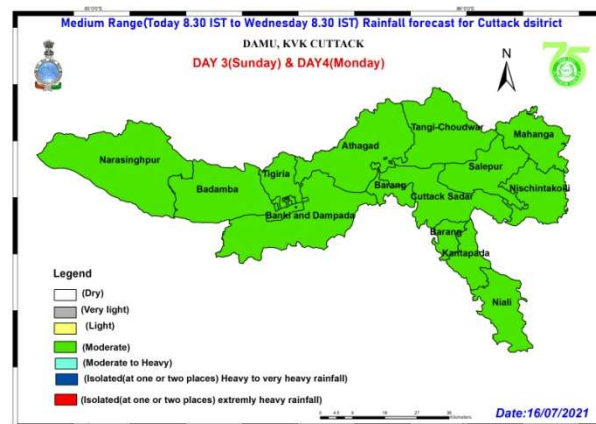
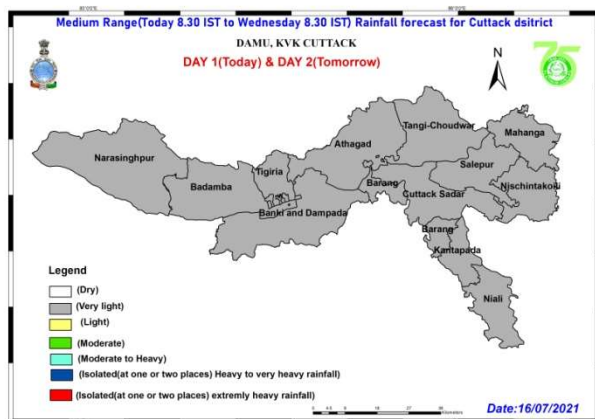


Bulletin No.-211  
Date- 16/07/2021

**Past week (09-15 July 2021) Cuttack district Rainfall and Temperature map**



**Medium range (Today (8.30IST) to Wednesday (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.-211**  
**Date- 16/07/2021**

**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 stage		Thrips
				Seedling blight
				Blast
2	Sugarcane	Vegetative to Tillering		Early shot borer
				Top borer
				Smut
				Inter node borer
3	Maize	3-4 week stage		Fall army worm
3	Jute	30-50days		Stem rot
				Indigo caterpillar

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













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4	Brinjal	Fruiting		Phomopsis Blight
5	Tomato and brinjal	Fruting		Bacterial wilt
6	chilli	fruting		thrips
				Leaf curl
7	okra	Fruting		Fruit and shoot borer
				White fly
				Jassid
8	Banana			Sigatoka
9	Papaya			Yellow mosaic virus

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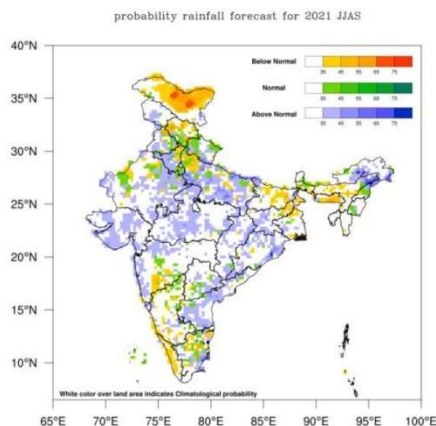
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Met Sub division	Extended range outlook for subsequent 1 week (6 <sup>th</sup> to 12 <sup>th</sup> days) (21 <sup>st</sup> July to 27 <sup>th</sup> July 2021)		
<b>Odisha</b>	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	24.60	Above Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	0.49	Normal
	Minimum temperature	-0.01	Normal

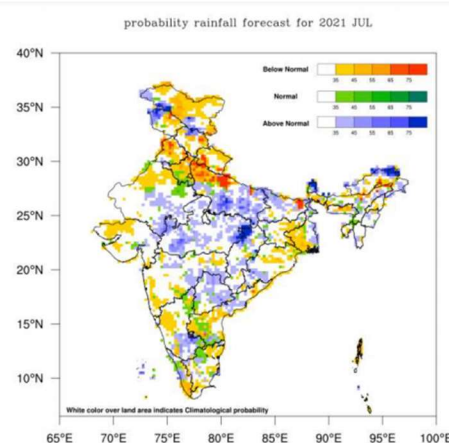
**General Agromet Advisory:-** There will be **above normal rainfall in subsequent week after 5 days (21 July-27 July 2021) in Odisha**, and also there was normal rainfall in Cuttack district in between 01<sup>st</sup> June to 15<sup>th</sup> July, so farmers are advised to **go for transplanting activity as there will be above 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 3<sup>rd</sup> June, 2021, against the normal date of 1<sup>st</sup> 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).

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**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

**The block received average 8mm and district received average 8mm rainfall during the last week.** The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weather advisory:** *Moderate rainfall/thundershower is forecasted for Sunday to Tuesday and very light rainfall is forecasted for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.* The day temperature will be 29-35°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-86% and 39-61% 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	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall (mm)	2	2	15	11	25
T-Max (°C)	33	35	34	34	29
T-Min (°C)	26	27	27	27	26
Cloud Cover (octa)	7	7	8	8	8
RH Max (%)	86	76	79	79	80
RH Min (%)	51	39	44	48	61
Wind Speed (kmph)	14	17	15	9	6
Wind Direction (deg)	201	203	203	205	281

**Agromet Advisory**

**General advisory:** *In view of CRIS seasonal rainfall departure map Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So*

➤ *Farmers should go for beushanning and transplanting activities in upcoming days.*

**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 15th 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

*Prevailing temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.*

**Maize:** Early sown crop is at 3 week stage. Go for hoeing and weeding. To manage weeds in maize crop, take up spraying of weedicide 2,4-D Sodium salt 80 % (0.5kg per acre) after 20 to 25 days of sowing. Apply 16 kg Nitrogen /ac followed by earthing up. In case of severe infestation of fall army worm (> 20% damaged plants): Spray Spinetoram 11.7 % SC @ 0.5 ml/l or Chlorantraniliprole 18.5 @ 0.3 ml/lit of water or Thiamethoxam 12.6 % + Lambda cyhalothrin 9.5% ZC @ 0.25 ml/l of water.

**JUTE:** Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

**ARHAR:** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. 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.

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

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



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**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

**The block received average 18mm and district received average 8mm rainfall during the last week.** The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forecasted for Sunday to Tuesday and very light rainfall is forecasted for other 2 days in the block.** **Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 29-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-86% and 38-61% 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	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	2	1	14	11	24
T-Max(°C)	33	34	33	34	29
T-Min(°C)	25	26	26	27	25
Cloud Cover(octa)	6	7	8	8	8
RH Max (%)	86	78	79	77	82
RH Min (%)	51	38	46	47	61
Wind Speed (Kmph)	13	14	12	8	6
Wind Direction (deg)	180	201	199	203	288

**Agromet Advisory**

**General advisory:** **In view of CRIS seasonal rainfall departure map Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So**

➤ **Farmers should go for beushanning and transplanting activities in upcoming days.**

**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 15th 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

**Prevailing temperature condition may lead to infestation of rice thrips in rice nursery.** Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of **BLB** in early sown nursery the seedlings. Go for foliar spray of Hexaconazole@1.5ml/l along with Plantomycin@1.0 g/l to prevent the spread of the disease.

**Maize:** Early sown crop is at 3 week stage. Go for hoeing and weeding. To manage weeds in maize crop, take up spraying of weedicide 2,4-D Sodium salt 80 % (0.5kg per acre) after 20 to 25 days of sowing. Apply 16 kg Nitrogen /ac followed by earthing up. In case of severe infestation of **fall army worm** (> 20% damaged plants): Spray Spinetoram 11.7 % SC @ 0.5 ml/l or Chlorantraniliprole 18.5 @ 0.3 ml/lit of water or Thiamethoxam 12.6 % + Lambda cyhalothrin 9.5% ZC @ 0.25 ml/l of water.

**JUTE:** Recent rain has aggravated **weed problem** in early sown crop. To control grass weeds, apply Quizalofop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control **stem rot of jute**, spray copper oxychloride @ 3-4 gram/litre of water. To control **indigo caterpillar** apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

**ARHAR:** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre or Copper oxychloride@2.5g/litre of water to control it.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam@0.4g/ litre of water.

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

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**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FORBANKI**

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

**The block received average 7mm and district received average 8mm rainfall during the last week.** The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weather advisory:** *Moderate rainfall/thundershower is forecasted for Sunday to Tuesday and very light rainfall is forecasted for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.* The day temperature will be 29-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-84% and 40-59% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	<b>Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)</b>				
Date	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	2	2	11	11	22
T-Max(°C)	33	34	34	34	29
T-Min(°C)	25	27	27	27	26
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	84	76	78	76	78
RH Min (%)	50	40	44	47	59
Wind Speed (Kmph)	15	17	16	10	6
Wind Direction (deg)	201	203	203	205	270

**Agromet Advisory**

**General advisory:** *In view of CRIS seasonal rainfall departure map Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So*

➤ *Farmers should go for beushanning and transplanting activities in upcoming days.*

**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 15th 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

*Prevailing temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.*

**Maize:** Early sown crop is at 3 week stage. Go for hoeing and weeding. To manage weeds in maize crop, take up spraying of weedicide 2,4-D Sodium salt 80 % (0.5kg per acre) after 20 to 25 days of sowing. Apply 16 kg Nitrogen /ac followed by earthing up. In case of severe infestation of fall army worm (> 20% damaged plants): Spray Spinetoram 11.7 % SC @ 0.5 ml/l or Chlorantraniliprole 18.5 @ 0.3 ml/lit of water or Thiamethoxam 12.6 % + Lambda cyhalothrin 9.5% ZC @ 0.25 ml/lit of water.

**JUTE:** Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

**ARHAR:** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam @ 0.4g/ litre of water.

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

**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**



**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA**

**District Past week average weather condition**

**The district received average 8mm rainfall during the last week.** The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weather Advisory:** *Moderate rainfall/thundershower is forecasted for Sunday to Tuesday and very light rainfall is forecasted for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.* The day temperature will be 29-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-84% and 40-59% 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	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	2	2	11	12	23
T-Max(°C)	33	34	34	33	29
T-Min(°C)	25	27	27	27	26
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	84	76	78	76	78
RH Min (%)	50	40	44	48	59
Wind Speed (Kmph)	15	18	17	10	6
Wind Direction (deg)	203	203	203	205	285

**Agromet Advisory**

**General advisory:** *In view of CRIS seasonal rainfall departure map Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So*

➤ *Farmers should go for beushanning and transplanting activities in upcoming days.*

**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 15th 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

*Prevailing temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole@1.5ml/l along with Plantomycin@1.0 g/l to prevent the spread of the disease.*

**Maize:** Early sown crop is at 3 week stage. Go for hoeing and weeding. To manage weeds in maize crop, take up spraying of weedicide 2,4-D Sodium salt 80 % (0.5kg per acre) after 20 to 25 days of sowing. Apply 16 kg Nitrogen /ac followed by earthing up. In case of severe infestation of fall army worm (> 20% damaged plants): Spray Spinetoram 11.7 % SC @ 0.5 ml/l or Chlorantraniliprole 18.5 @ 0.3 ml/lit of water or Thiamethoxam 12.6 % + Lambda cyhalothrin 9.5% ZC @ 0.25 ml/lit of water.

**JUTE:** Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/liter of water or Emamectin benzoate (5% SC) 0.5 gram per liter of water.

**ARHAR:** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre or Copper oxychloride@2.5g/litre of water to control it.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. 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.

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

**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**



**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received average 3mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for Sunday to Tuesday and very light rainfall is forecasted for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 30-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-85% and 43-58% 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	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	2	2	11	11	23
T-Max(°C)	33	34	34	33	30
T-Min(°C)	26	27	27	27	26
Cloud Cover	7	7	8	8	8
RH Max (%)	85	78	79	78	77
RH Min (%)	50	43	45	50	58
Wind Speed (Kmph)	15	20	21	14	7
Wind Direction (deg)	203	203	203	203	289

**Agromet Advisory**

**General advisory:** In view of CRIS seasonal rainfall departure map Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So

➤ Farmers should go for beushanning and transplanting activities in upcoming days.

**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 15<sup>th</sup> 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

Prevailing temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

**Maize:** Early sown crop is at 3 week stage. Go for hoeing and weeding. To manage weeds in maize crop, take up spraying of weedicide 2,4-D Sodium salt 80 % (0.5kg per acre) after 20 to 25 days of sowing. Apply 16 kg Nitrogen /ac followed by earthing up. In case of severe infestation of fall army worm (> 20% damaged plants): Spray Spinetoram 11.7 % SC @ 0.5 ml/l or Chlorantraniliprole 18.5 @ 0.3 ml/lit of water or Thiamethoxam 12.6 % + Lambda cyhalothrin 9.5% ZC @ 0.25 ml/lit of water.

**JUTE:** Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

**ARHAR:** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- Seedling rot is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- Wilting may observe in tomato and brinjal field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control fruit and shoot borer in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam @ 0.4g/ litre of water.

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

**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**



**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

**The block received average 11mm and district received average 8mm rainfall during the last week.** The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weather advisory:** Isolated heavy rainfall is forecasted for Tuesday and Moderate rainfall/thundershower is forecasted for Sunday to Monday and very light rainfall is forecasted for other 2 days in the block. **Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 29-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-86% and 41-60% 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	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	2	2	12	11	31
T-Max(°C)	32	34	34	33	29
T-Min(°C)	26	27	27	27	26
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	86	78	79	79	79
RH Min (%)	53	41	44	49	60
Wind Speed (Kmph)	14	19	19	12	7
Wind Direction (deg)	203	203	203	205	281

**Agromet Advisory**

**General advisory:** In view of CRIS seasonal rainfall departure map **Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So**

➤ **Farmers should go for beushanning and transplanting activities in upcoming days.**

**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 15th 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

**Prevailing temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.**

**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/litre 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.

**JUTE:** Recent rain has aggravated **weed problem** in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control **stem rot of jute**, spray copper oxychloride @ 3-4 gram/litre of water. To control **indigo caterpillar** apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

**ARHAR:** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. 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.

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

**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**



**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

**The block received average 11mm and district received average 8mm rainfall during the last week.** The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weatheradvisory:** Isolated heavy rainfall is forecasted for Tuesday and Moderate rainfall/thundershower is forecasted for Sunday to Monday and very light rainfall is forecasted for other 2 days in the block. **Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 31-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-84% and 48-54% 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	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	1	2	11	14	31
T-Max(°C)	33	33	34	33	31
T-Min(°C)	26	27	27	27	27
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	84	79	79	78	76
RH Min (%)	53	49	48	52	54
Wind Speed (Kmph)	15	21	23	16	7
Wind Direction (deg)	203	203	203	205	300

**Agromet Advisory**

**General advisory:** In view of CRIS seasonal rainfall departure map Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So

➤ **Farmers should go for beushanning and transplanting activities in upcoming days.**

**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 15th 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

**Prevailing temperaure condition may led to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather codition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.**

**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.

**JUTE:** Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quazalofop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/liter of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/liter of water or Emamectin benzoate (5% SC) 0.5 gram per liter of water.

**ARHAR :** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalyxyl+Mancozeb/Carboxin+Thiram@2g/litre or Copper oxychloride@2.5g/litre of water to control it.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. 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.

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

**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**



**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received average 2mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weather advisory:** Isolated heavy rainfall is forecasted for Tuesday and Moderate rainfall/thundershower is forecasted for Sunday to Monday and very light rainfall is forecasted for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be and it will be 30-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-88% and 47-62% 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	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	2	2	14	18	32
T-Max(°C)	32	34	34	33	30
T-Min(°C)	25	27	27	27	26
Cloud Cover(octal)	6	7	8	8	8
RH Max (%)	88	81	81	80	81
RH Min (%)	57	47	47	50	62
Wind Speed (Kmph)	13	19	20	14	8
Wind Direction (deg)	203	203	203	208	285

**Agromet Advisory**

**General advisory:** In view of CRIS seasonal rainfall departure map Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So

➤ Farmers should go for beushanning and transplanting activities in upcoming days.

**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 15th 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

Prevailing temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

**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.

**JUTE:** Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quazalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

**ARHAR:** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- Seedling rot is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- Wilting may observe in tomato and brinjal field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. 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.

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

**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**



**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

**The block received average 14mm and district received average 8mm rainfall during the last week.** The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weather advisory:** **Moderate rainfall/thundershower is forecasted for Sunday to Tuesday and very light rainfall is forecasted for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 29-35°C and night temperature will be 23-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-90% and 36-61% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	2	3	16	20	22
T-Max(°C)	32	35	34	34	29
T-Min(°C)	23	25	25	26	24
Cloud Cover(/octa)	6	7	8	8	8
RH Max (%)	90	82	83	79	88
RH Min (%)	51	36	49	45	61
Wind Speed (Kmph)	10	9	7	5	5
Wind Direction (deg)	162	201	180	162	255

**Agromet Advisory**

**General advisory:** In view of CRIS seasonal rainfall departure map Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So

➤ **Farmers should go for beushanning and transplanting activities in upcoming days.**

**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 15th 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

**Prevailing temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole@1.5ml/l along with Plantomycin@1.0 g/l to prevent the spread of the disease.**

**Maize:** Early sown crop is at 3 week stage. Go for hoeing and weeding. To manage weeds in maize crop, take up spraying of weedicide 2,4-D Sodium salt 80 % (0.5kg per acre) after 20 to 25 days of sowing. Apply 16 kg Nitrogen /ac followed by earthing up. In case of severe infestation of fall army worm (> 20% damaged plants): Spray Spinetoram 11.7 % SC @ 0.5 ml/l or Chlorantraniliprole 18.5 @ 0.3 ml/lit of water or Thiamethoxam 12.6 % + Lambda cyhalothrin 9.5% ZC @ 0.25 ml/lit of water.

**JUTE:** Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

**ARHAR:** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metaxyl+Mancozeb/Carboxin+Thiram@2g/litre or Copper oxychloride@2.5g/litre of water to control it.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam@0.4g/ litre of water.

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

**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



**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

**The block received average 8mm and district received average 8mm rainfall during the last week.** The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weather advisory:** Isolated heavy rainfall is forecasted for Tuesday and Moderate rainfall/thundershower is forecasted for Sunday to Monday and very light rainfall is forecasted for other 2 days in the block. **Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.** The day temperature will be 32-33°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-83% and 51-56% 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	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	1	2	12	11	31
T-Max(°C)	33	33	33	32	32
T-Min(°C)	26	27	27	27	27
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	83	79	80	78	76
RH Min (%)	55	53	51	56	53
Wind Speed(Kmph)	15	22	25	18	7
Wind Direction(deg)	203	203	203	205	287

**Agromet Advisory**

**General advisory:** In view of CRIS seasonal rainfall departure map **Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So**

➤ **Farmers should go for beushanning and transplanting activities in upcoming days.**

**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 15th 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

**Prevailing temperature condition may lead to infestation of rice *thrips* in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. If *leaf blast* is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of *BLB* in early sown nursery the seedlings. Go for foliar spray of Hexaconazole@1.5ml/l along with Plantomycin@1.0 g/l to prevent the spread of the disease.**

**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/litre 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.

**JUTE:** Recent rain has aggravated **weed problem** in early sown crop. To control grass weeds, apply Quizalofop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control **stem rot of jute**, spray copper oxychloride @ 3-4 gram/liter of water. To control **indigo caterpillar** apply Spinosad (45% S.C) 0.3 ml/liter of water or Emamectin benzoate (5% SC) 0.5 gram per liter of water.

**ARHAR:** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
  - **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre or Copper oxychloride@2.5g/litre of water to control it. **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water. Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
  - To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam@0.4g/ litre of water.
- Fruits:** Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

**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



**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

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

The block received average 0mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weatheradvisory:** Isolated heavy rainfall is forecasted for Tuesday and Moderate rainfall/thundershower is forecasted for Sunday to Monday and very light rainfall is forecasted for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 30-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-87% and 47-59% 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	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	2	2	14	11	33
T-Max(°C)	32	34	34	33	30
T-Min(°C)	26	27	27	27	26
Cloud Cover(octa)	6	7	8	8	8
RH Max (%)	87	81	81	79	80
RH Min (%)	57	47	47	51	59
Wind Speed (Kmph)	14	20	22	15	8
Wind Direction (deg)	203	203	203	208	281

**Agromet Advisory**

**General advisory:** In view of CRIS seasonal rainfall departure map Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So

➤ Farmers should go for beushanning and transplanting activities in upcoming days.

**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 15<sup>th</sup> 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

Prevailing temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

**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/litre 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 4<sup>th</sup> month onwards. Avoid the use of excessive nitrogenous fertilizers.

**JUTE:** Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/liter of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/liter of water or Emamectin benzoate (5% SC) 0.5 gram per liter of water.

**ARHAR:** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- Seedling rot is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- Wilting may observe in tomato and brinjal field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control fruit and shoot borer in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam @ 0.4g/ litre of water.

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

**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



**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 8mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weatheradvisory:** Isolated heavy rainfall is forecasted for Tuesday and Moderate rainfall/thundershower is forecasted for Sunday to Monday and very light rainfall is forecasted for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 30-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-88% and 46-60% 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	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	2	2	13	12	32
T-Max(°C)	32	34	34	33	30
T-Min(°C)	26	27	27	27	26
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	88	80	81	79	80
RH Min (%)	56	46	47	50	60
Wind Speed (Kmph)	13	20	21	14	8
Wind Direction (deg)	203	203	203	205	281

**Agromet Advisory**

**General advisory:** In view of CRIS seasonal rainfall departure map Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So

➤ Farmers should go for beushanning and transplanting activities in upcoming days.

**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 15th 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

Prevailing temperature condition may lead to infestation of rice **thrips** in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of **BLB** in early sown nursery the seedlings. Go for foliar spray of Hexaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.

**Maize:** Early sown crop is at 3 week stage. Go for hoeing and weeding. To manage weeds in maize crop, take up spraying of weedicide 2,4-D Sodium salt 80 % (0.5kg per acre) after 20 to 25 days of sowing. Apply 16 kg Nitrogen /ac followed by earthing up. In case of severe infestation of **fall army worm** (> 20% damaged plants): Spray Spinetoram 11.7 % SC @ 0.5 ml/l or Chlorantraniliprole 18.5 @ 0.3 ml/lit of water or Thiamethoxam 12.6 % + Lambda cyhalothrin 9.5% ZC @ 0.25 ml/l of water.

**JUTE:** Recent rain has aggravated **weed problem** in early sown crop. To control grass weeds, apply Quizalofop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control **stem rot of jute**, spray copper oxychloride @ 3-4 gram/liter of water. To control **indigo caterpillar** apply Spinosad (45% S.C) 0.3 ml/liter of water or Emamectin benzoate (5% SC) 0.5 gram per liter of water.

**ARHAR :** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalxylyl+Mancozeb/Carboxin+Thiram@2g/litre or Copper oxychloride@2.5g/litre of water to control it.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam@0.4g/ litre of water.

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

**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



**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received average 2mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weatheradvisory:** Isolated heavy rainfall is forecasted for Tuesday and Moderate rainfall/thundershower is forecasted for Sunday to Monday and very light rainfall is forecasted for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 33-35°C and night temperature will be 29-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-82% and 56-64% 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	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	3	2	15	15	31
T-Max(°C)	33	35	35	34	34
T-Min(°C)	29	29	30	30	29
Cloud Cover(octa)	6	7	8	8	8
RH Max (%)	82	81	81	81	78
RH Min (%)	64	60	57	62	56
Wind Speed (Kmph)	17	23	26	20	8
Wind Direction (deg)	201	203	203	205	290

**Agromet Advisory**

**General advisory:** In view of CRIS seasonal rainfall departure map Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So

➤ Farmers should go for beushanning and transplanting activities in upcoming days.

**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 15<sup>th</sup> 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

Prevailing temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole@1.5ml/l along with Plantomycin@1.0 g/l to prevent the spread of the disease.

**Maize:** Early sown crop is at 3 week stage. Go for hoeing and weeding. To manage weeds in maize crop, take up spraying of weedicide 2,4-D Sodium salt 80 % (0.5kg per acre) after 20 to 25 days of sowing. Apply 16 kg Nitrogen /ac followed by earthing up. In case of severe infestation of fall army worm (> 20% damaged plants): Spray Spinetoram 11.7 % SC @ 0.5 ml/l or Chlorantraniliprole 18.5 @ 0.3 ml/lit of water or Thiamethoxam 12.6 % + Lambda cyhalothrin 9.5% ZC @ 0.25 ml/l of water.

**JUTE:** Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quisqualop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

**ARHAR:** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- Seedling rot is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre or Copper oxychloride@2.5g/litre of water to control it.
- Wilting may observe in tomato and brinjal field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. 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.

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

**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



**Bulletin No.-211**  
**Date- 16/07/2021**

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received average 9mm and district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Mean relative humidity of the district was around 87-79%.

**Forecasted period: Today(8.30IST) to 21<sup>st</sup> July (8.30IST)2021**

**Weather advisory:** Moderate rainfall/thundershower is forecasted for Sunday to Tuesday and very light rainfall is forecasted for other 2 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 29-35°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-86% and 38-61% 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	17/07/2021	18/07/2021	19/07/2021	20/07/2021	21/07/2021
Rainfall(mm)	2	2	15	12	24
T-Max(°C)	33	35	34	34	29
T-Min(°C)	25	27	27	27	26
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	86	77	79	78	81
RH Min (%)	51	38	45	47	61
Wind Speed (Kmph)	14	16	13	8	6
Wind Direction (deg)	180	201	204	203	288

**Agromet Advisory**

**General advisory:** In view of CRIS seasonal rainfall departure map Cuttack received 3% more (Normal) rainfall than normal in between 1<sup>st</sup> June to 15<sup>th</sup> July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be above normal rainfall in subsequent week (21-27 July) in Odisha So

➤ Farmers should go for beushanning and transplanting activities in upcoming days.

**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 15<sup>th</sup> 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

Prevailing temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG@ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery seedlings. Go for foliar spray of Hexaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.

**Maize:** Early sown crop is at 3 week stage. Go for hoeing and weeding. To manage weeds in maize crop, take up spraying of weedicide 2,4-D Sodium salt 80 % (0.5kg per acre) after 20 to 25 days of sowing. Apply 16 kg Nitrogen /ac followed by earthing up. In case of severe infestation of fall army worm (> 20% damaged plants): Spray Spinetor 11.7 % SC @ 0.5 ml/l or Chlorantraniliprole 18.5 @ 0.3 ml/lit of water or Thiamethoxam 12.6 % + Lambda cyhalothrin 9.5% ZC @ 0.25 ml/l of water.

**JUTE:** Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

**ARHAR :** In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre.

**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 Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre or Copper oxychloride@2.5g/litre of water to control it.
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- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam@0.4g/ litre of water.

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

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



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**Bulletin No.-211**  
**Date- 16/07/2021**

			
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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).

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

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