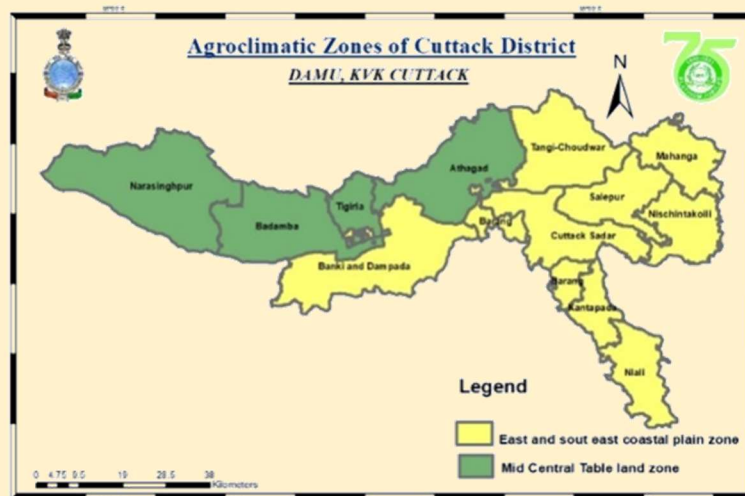




# *Cuttack District Block Wise Agro-met Advisory Service Bulletin*

*Friday, 25<sup>th</sup> July, 2023  
(For the period 25<sup>th</sup> to 29<sup>th</sup> July, 2023)*



*Issued by  
District Agro-met Unit,  
KrishiVigyan Kendra Cuttack*





**GRAMIN KRISHI MAUSAM SEWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
(A Unit of ICAR-National Rice Research Institute)  
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Bulletin No.-420  
Date- 25/07/2023

**STANDARD PRECIPITATION INDEX AND NDVI MAP**

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p style="text-align: center;">Standardised Precipitation Index for the period 22<sup>nd</sup> June to 19<sup>th</sup> July 2023</p> <p style="text-align: center;">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p>	<p style="text-align: center;">NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 29 (16.07.2023 to 22.07.2023) over Agricultural region</p> <p style="text-align: center;">Odisha</p> <p style="text-align: center;">Agriculture vigour is moderate over few places of the state.</p>
<p><b>As per SPI value (cumulative 4weeks -22 June to 19 July 2023), Mildly dry condition was there in Cuttack district.</b></p>	<p><b>According to NDVI map (16.07.2023 to 22.07.2023) the agriculture vigor was moderate over isolated places of Narsinghpur, Badamba blocks of Cuttack district and very light over most places of other blocks.</b></p>

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

LEGEND (Past week temperature )		
Color code	Temperature	Departure
	Below Normal	< 2°C from normal
	Normal	-2°C to +2°C from normal
	Above Normal	>2°C from normal

Dr Sujata Sethy  
(Nodal officer)



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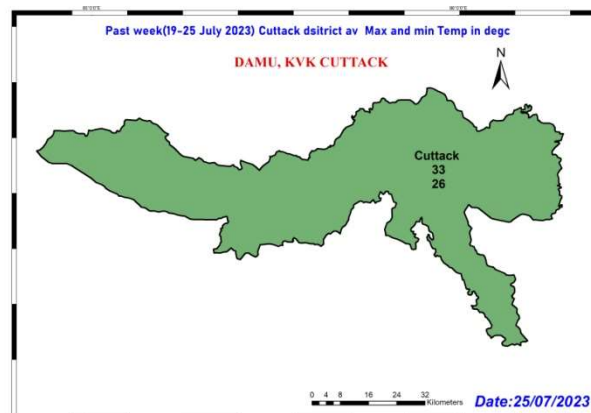
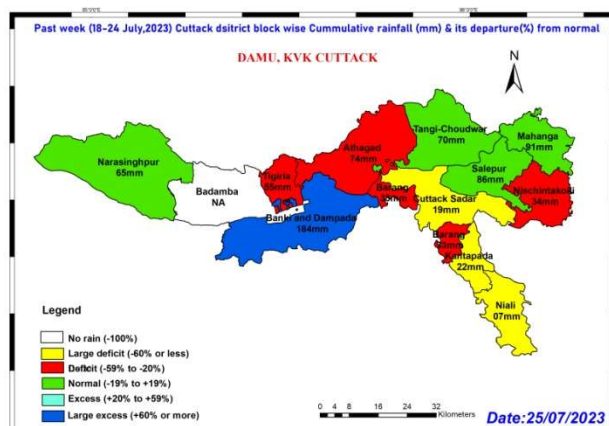


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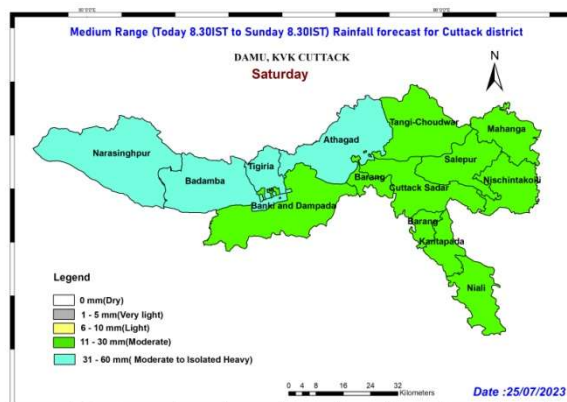
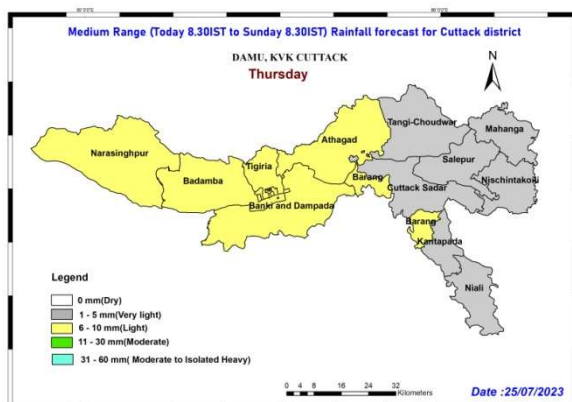
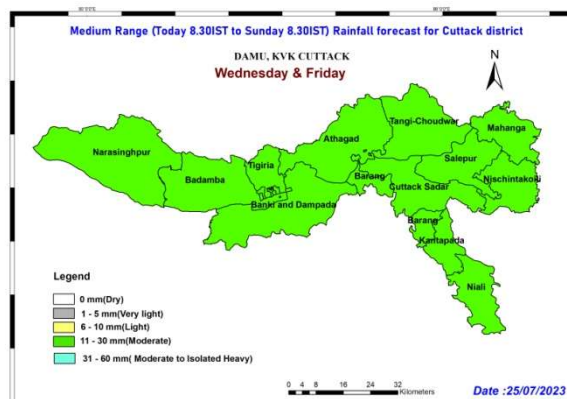
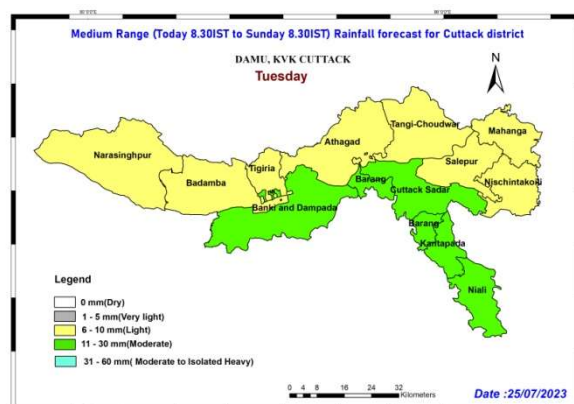


Bulletin No.-420

**Past week (18-24 July, 2023) cumulative rainfall departure% from normal and (19-25 July) average maximum and minimum temperature for Cuttack district**



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



Dr Sujata Sethy  
(Nodal officer)



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**Bulletin No.-420**  
**Date- 25/07/2023**

Met Sub division	Extended range outlook for subsequent 1 week (6 <sup>th</sup> to 12 <sup>th</sup> days) (30 July-05 August2023) after 5 days				
Odisha	<i>Parameter</i>	<i>Actual</i>	<i>Normal</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall (mm)	15.29	11.83	29.20	Above Normal
	<i>Parameter</i>	<i>Actual</i>	<i>Normal</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature (°C)	31.77	31.05	0.72	Normal
	Minimum temperature (°C)	25.00	24.28	0.72	Normal

\*Agromet Advisory based upon subsequent week extended range forecast-: As there will be above normal rainfall in the subsequent week (30 July-05 August,2023) after 5 days in Odisha condition, so farmers are advised to go for transplanting and beushaning of early sown kharif paddy in the subsequent week and are advised to make proper drainage facilities in nursery area of paddy and vegetables to drain out excess water from the field. Farmers should pause sowing activity in the subsequent week. They should monitor paddy field for seedling blight, Blast and Sheath blight diseases.



Dr Sujata Sethy  
(Nodal officer)



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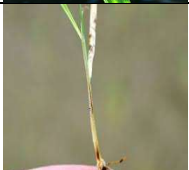










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**Bulletin No.-420**  
**Date- 25/07/2023**

**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		Blast
				Seedling blight
				Sheath blight
2	Sugarcane	Vegetative to Tillering		Early shot borer
				Top borer
				Smut
				Inter node borer
3	Maize	5 week stage		Stem fly
				Leaf blight
3	Jute	30-50days		Stem rot

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



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**Bulletin No.-420**  
**Date- 25/07/2023**

				<b>Indigo caterpillar</b>
4	Brinjal, tomato, chilli	seedling		<b>Seedling rot</b>
				<b>Stem rot</b>
5	Tomato and brinjal	Fruting		<b>Bacterial wilt</b>
6	chilli	fruting		<b>thrips</b>
				<b>Leaf curl</b>
7	okra	Fruting		<b>Fruit and shoot borer</b>
				<b>White fly</b>
				<b>Jassid</b>
8	Banana			<b>Sigatoka</b>
9	Papaya			<b>Yellow mosaic virus</b>

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



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# GRAMIN KRISHIMAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK

(A Unit of ICAR-National Rice Research Institute)

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

AGROMET ADVISORY BULLETIN FOR ATHAGAD



Bulletin No.-420

Date- 25/07/2023

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

The block received average 11mm & district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+1°C from normal) and 26.1°C (+2°C from normal), respectively. Mean relative humidity of the district was around 85-89%.

### Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST)2023

**Weather advisory:** Light to Moderate rainfall is forecasted for today to Friday and moderate to isolated heavy rainfall is forecasted on Saturday in the block. 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 78-89% and 51-65% 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	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall (mm)	9	12	7	15	31
T-Max (°C)	32	32	33	34	31
T-Min (°C)	26	26	26	27	27
Cloud Cover (octa)	5	5	4	8	8
RH Max (%)	88	89	86	85	78
RH Min (%)	58	60	56	51	65
Wind Speed (kmph)	19	18	15	9	17
Wind Direction (deg)	68	144	158	270	293

### Agromet Advisory

**General advisory:** Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

### Kharifrice:(DIRECT SEEDED RICE):

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

### TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. 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.

### Maize:

Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/lit or Dimethoate @ 2ml/lit or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of leaf blight in Maize. To control spray Azoxystrobin + Mancozeb 300 g /ac.

### VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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 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.-420**  
**Date- 25/07/2023**

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

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

**The district received average 8mm rainfall during the last week.** The mean daily maximum and minimum temperature was **33.2°C (+1°C from normal)** and **26.1°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 85-89%.

**Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST)2023**

**Weather advisory: Light to Moderate rainfall is forecasted for today to Friday and moderate to isolated heavy rainfall is forecasted on Saturday in the block.** The day temperature will be **31-33°C** and night temperature will be **25-26°C** for upcoming 5 days. Maximum and minimum relative humidity will be 81-90% and 56-70% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Badamba(VAID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	8	13	8	18	35
T-Max(°C)	32	31	33	33	31
T-Min(°C)	25	25	26	26	26
Cloud Cover(octa)	5	6	4	8	8
RH Max (%)	90	90	87	86	81
RH Min (%)	60	63	57	56	70
Wind Speed (Kmph)	17	16	12	10	15
Wind Direction (deg)	66	144	158	270	291

**Agromet Advisory**

**General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.**

**Kharrifrice:(DIRECT SEEDED RICE):**

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

**TRANSPLANTED RICE:**

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

**Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. 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.**

**Maize:**

**Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb 300 g /ac.

**VEGETABLES:**

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. **To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.**
- 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 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.-420**  
**Date- 25/07/2023**

**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week average weather condition**

The district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.2°C (+1°C from normal)** and **26.1°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 85-89%.

**Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST)2023**

**Weather advisory:** *Light to Moderate rainfall is forecasted for upcoming 5 days in the block.* The day temperature will be **31-34°C** and night temperature will be **25-27°C** for upcoming 5 days. Maximum and minimum relative humidity will be 79-88% and 52-65% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	12	15	7	16	27
T-Max(°C)	32	32	33	34	31
T-Min(°C)	25	25	26	27	26
Cloud Cover(octa)	5	6	4	8	8
RH Max (%)	88	88	84	83	79
RH Min (%)	57	58	56	52	65
Wind Speed (Kmph)	19	18	15	10	16
Wind Direction (deg)	68	144	158	270	293

**Agromet Advisory**

**General advisory:** *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

**Kharifrice:(DIRECT SEEDED RICE):**

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

**TRANSPLANTED RICE:**

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

*Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. 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.*

**Maize:**

**Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @1 ml/lit or Dimethoate @ 2ml/lit or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb 300 g /ac.

**VEGETABLES:**

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. **To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.**
- 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 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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# GRAMIN KRISHIMAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK

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



Bulletin No.-420

Date- 25/07/2023

## AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 26mm & district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+1°C from normal) and 26.1°C (+2°C from normal), respectively. Mean relative humidity of the district was around 85-89%.

**Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST)2023**

**Weather Advisory:** Light to Moderate rainfall is forecasted for upcoming 5 days in the block. The day temperature will be 31-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-88% and 52-65% respectively.

There will be partly cloudy to overcast sky for next 5 days.

Block	Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	14	16	7	14	28
T-Max(°C)	32	32	32	34	31
T-Min(°C)	25	26	26	27	27
Cloud Cover(octa)	5	6	4	8	8
RH Max (%)	88	88	84	83	78
RH Min (%)	56	58	56	52	65
Wind Speed (Kmph)	19	18	15	10	16
Wind Direction (deg)	68	144	160	270	293

### Agromet Advisory

**General advisory:** Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

### Khari rice: (DIRECT SEEDED RICE):

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

### TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. 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.

### Maize:

Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granules @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of leaf blight in Maize. To control spray Azoxystrobin + Mancozeb 300 g /ac.

### VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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 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 KRISHIMAUSAM SEWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
 (A Unit of ICAR-National Rice Research Institute)  
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



**Bulletin No.-420**  
**Date- 25/07/2023**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received average 5mm & district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.2°C (+1°C from normal)** and **26.1°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 85-89%.

**Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST)2023**

**Weather advisory:** **Light to Moderate rainfall is forecasted for upcoming 5 days in the block.** The day temperature will be **32-34°C** and night temperature will be **26-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 74-86% and 49-57% 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	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	15	15	6	15	25
T-Max(°C)	33	32	32	34	34
T-Min(°C)	27	26	27	28	28
Cloud Cover	5	6	4	8	8
RH Max (%)	84	86	81	81	74
RH Min (%)	53	57	56	49	52
Wind Speed (Kmph)	21	19	17	11	20
Wind Direction (deg)	68	146	195	285	293

**Agromet Advisory**

**General advisory:** **Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.**

**Kharifrice:(DIRECT SEEDED RICE):**

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

**TRANSPLANTED RICE:**

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

**Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. 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.**

**Maize:**

**Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @1 ml/lit or Dimethoate @ 2ml/lit or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb 300 g /ac.

**VEGETABLES:**

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. **To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.**
- 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 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**  
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# GRAMIN KRISHIMAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK

(A Unit of ICAR-National Rice Research Institute)

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

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR



Bulletin No.-420

Date- 25/07/2023

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

The block received average 3mm & district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+1°C from normal) and 26.1°C (+2°C from normal), respectively. Mean relative humidity of the district was around 85-89%.

**Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST)2023**

**Weather advisory:** Light to Moderate rainfall is forecasted for upcoming 5 days in the block. The day temperature will be 32-34°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-87% and 50-57% 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	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	16	17	5	14	23
T-Max(°C)	33	32	33	34	33
T-Min(°C)	26	26	27	28	28
Cloud Cover(octa)	5	5	4	8	8
RH Max (%)	85	87	83	82	75
RH Min (%)	56	57	56	50	54
Wind Speed (Kmph)	21	19	16	10	21
Wind Direction (deg)	68	146	195	285	293

## Agromet Advisory

**General advisory:** Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

### Kharifrice:(DIRECT SEEDED RICE):

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

### TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. 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.

### Suagrcane:

For Red rot and wilt disease, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2%SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyriphos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Cupper oxychloride 50.0% 3 gram per liter of water.

### VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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 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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**GRAMIN KRISHIMAUSAM SEWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
**(A Unit of ICAR-National Rice Research Institute)**



**Bulletin No.-420**  
**Date- 25/07/2023**

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

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received average 3mm & district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.2°C (+1°C from normal)** and **26.1°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 85-89%.

**Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST)2023**

**Weather advisory:** *Light to Moderate rainfall is forecasted for upcoming 5 days in the block.* The day temperature will be **32-35°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 73-84% and 46-60% 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	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	13	17	4	13	22
T-Max(°C)	33	32	32	34	35
T-Min(°C)	27	27	27	28	28
Cloud Cover(octa)	5	6	5	8	8
RH Max (%)	82	84	79	78	73
RH Min (%)	52	60	57	49	46
Wind Speed (Kmph)	22	20	19	12	20
Wind Direction (deg)	69	154	203	214	294

**Agromet Advisory**

**General advisory:** *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

**Kharifrice:(DIRECT SEEDED RICE):**

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

**TRANSPLANTED RICE:**

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

*Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. 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.*

**Sugarcane:**

For **Red rot and wilt disease**, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2% SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane;; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyriphos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Copper oxychloride 50.0% 3 gram per liter of water.

**VEGETABLES:**

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. **To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.**
- 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 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 Sathy**  
**(Nodal officer)**



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# GRAMIN KRISHIMAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK

(A Unit of ICAR-National Rice Research Institute)

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

AGROMET ADVISORY BULLETIN FOR MAHANGA



Bulletin No.-420

Date- 25/07/2023

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

The block received average 13mm & district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+1°C from normal) and 26.1°C (+2°C from normal), respectively. Mean relative humidity of the district was around 85-89%.

**Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST) 2023**

**Weather advisory:** Light to Moderate rainfall is forecasted for upcoming 5 days in the block. The day temperature will be and it will be 32-35°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will 73-85% and 49-59% 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	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	10	13	3	12	27
T-Max(°C)	33	32	33	34	35
T-Min(°C)	27	26	27	28	28
Cloud Cover(octal)	5	6	5	8	8
RH Max (%)	83	85	84	80	73
RH Min (%)	56	59	57	51	49
Wind Speed (Kmph)	22	19	17	10	21
Wind Direction (deg)	69	154	200	203	294

## Agromet Advisory

**General advisory:** Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

### Kharifrice:(DIRECT SEEDED RICE):

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

### TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. 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.

### Suagrcane:

For Red rot and wilt disease, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2%SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyrifos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Cupper oxychloride 50.0% 3 gram per liter 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 liter of water.

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

- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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 3 ml. or diphenhiuron @ 1g./L of water.
- To control fruit and shoot borer in okra, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiamethoxam@0.4g/ litre of water.

**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  
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# GRAMIN KRISHIMAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK

(A Unit of ICAR-National Rice Research Institute)

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



Bulletin No.-420

Date- 25/07/2023

## AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 9mm & district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+1°C from normal) and 26.1°C (+2°C from normal), respectively. Mean relative humidity of the district was around 85-89%.

### Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST)2023

**Weather advisory:** Light to Moderate rainfall is forecasted for today to Friday and moderate to isolated heavy rainfall is forecasted on Saturday in the block. The day temperature will be 31-33°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-94% and 58-72% 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	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	8	11	8	21	38
T-Max(°C)	31	31	33	33	31
T-Min(°C)	24	24	25	25	26
Cloud Cover(octa)	6	6	5	8	8
RH Max (%)	93	94	90	90	82
RH Min (%)	64	72	58	59	70
Wind Speed (Kmph)	13	11	8	8	13
Wind Direction (deg)	63	108	158	283	291

### Agromet Advisory

**General advisory:** Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

### Kharrifrice:(DIRECT SEEDED RICE):

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

### TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. 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.

### Maize:

Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/l or Dimethoate @ 2ml/l or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of leaf blight in Maize. To control spray Azoxystrobin + Mancozeb 300 g /ac.

### VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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 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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**GRAMIN KRISHIMAUSAM SEWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
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**Bulletin No.-420**  
**Date- 25/07/2023**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received average 1mm & district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.2°C (+1°C from normal)** and **26.1°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 85-89%.

**Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST)2023**

**Weather advisory:** *Light to Moderate rainfall is forecasted for upcoming 5 days in the block.* The day temperature will be **32-36°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 72-83% and 45-63% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	<b>Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)</b>				
Date	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	11	17	4	11	22
T-Max(°C)	33	32	32	34	36
T-Min(°C)	27	27	27	28	28
Cloud Cover(octa)	5	6	5	8	8
RH Max (%)	82	83	79	76	72
RH Min (%)	53	63	57	49	45
Wind Speed(Kmph)	23	22	20	13	20
Wind Direction(deg)	69	195	205	214	293

**Agromet Advisory**

**General advisory:** *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

**Kharifrice:(DIRECT SEEDED RICE):**

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

**TRANSPLANTED RICE:**

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

**Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. 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.**

**Suagrcane:**

For **Red rot and wilt disease**, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2% SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane;; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyriphos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Cupper oxychloride 50.0% 3 gram per liter of water.

**VEGETABLES:**

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. **To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.**
- 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 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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# GRAMIN KRISHIMAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK

(A Unit of ICAR-National Rice Research Institute)

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

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI



Bulletin No.-420

Date- 25/07/2023

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

The block received average 5mm & district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+1°C from normal) and 26.1°C (+2°C from normal) respectively. Mean relative humidity of the district was around 85-89%.

### Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST) 2023

**Weather advisory:** Light to Moderate rainfall is forecasted for upcoming 5 days in the block. The day temperature will be 32-36°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-85% 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	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	10	16	4	12	25
T-Max(°C)	33	32	33	34	36
T-Min(°C)	27	27	27	28	28
Cloud Cover(octa)	5	6	5	8	8
RH Max (%)	82	85	82	79	73
RH Min (%)	55	59	56	49	47
Wind Speed (Kmph)	22	20	18	11	21
Wind Direction (deg)	69	154	197	206	294

### Agromet Advisory

**General advisory:** Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

### Kharifrice:(DIRECT SEEDED RICE):

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

### TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. 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.

### Suagrcane:

For Red rot and wilt disease, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2%SC/ Difenoconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyriphos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Cupper oxychloride 50.0% 3 gram per liter of water.

### VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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 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.-420**  
**Date- 25/07/2023**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 12mm & district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.2°C (+1°C from normal)** and **26.1°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 85-89%.

**Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST)2023**

**Weather advisory:** *Light to Moderate rainfall is forecasted for upcoming 5 days in the block.* The day temperature will be 32-35°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-85% and 48-58% 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	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	10	16	5	12	24
T-Max(°C)	33	32	33	34	35
T-Min(°C)	27	27	27	28	28
Cloud Cover(octa)	5	6	5	8	8
RH Max (%)	83	85	82	79	73
RH Min (%)	54	58	56	49	48
Wind Speed (Kmph)	22	20	17	11	21
Wind Direction (deg)	69	154	197	206	293

**Agromet Advisory**

**General advisory:** *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

**Kharifrice:(DIRECT SEEDED RICE):**

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

**TRANSPLANTED RICE:**

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. *Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. 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.*

**Suagrcane:**

For **Red rot and wilt disease**, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2%SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane;; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyriphos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Copper oxychloride 50.0% 3 gram per liter 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.

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

- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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 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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# GRAMIN KRISHIMAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK

(A Unit of ICAR-National Rice Research Institute)

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Bulletin No.-420

Date- 25/07/2023

## AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 10mm & district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.2°C (+1°C from normal) and 26.1°C (+2°C from normal), respectively. Mean relative humidity of the district was around 85-89%.

### Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST)2023

**Weather advisory:** Light to Moderate rainfall is forecasted for upcoming 5 days in the block. The day temperature will be 32-35°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-83% and 50-68% 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	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	10	16	5	16	27
T-Max(°C)	33	32	33	34	35
T-Min(°C)	27	27	27	28	28
Cloud Cover(octa)	4	6	5	8	8
RH Max (%)	82	83	82	78	75
RH Min (%)	65	68	61	53	50
Wind Speed (Kmph)	25	24	22	15	15
Wind Direction (deg)	111	189	204	205	293

### Agromet Advisory

**General advisory:** Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

### Kharifrice:(DIRECT SEEDED RICE):

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

### TRANSPLANTED RICE:

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. 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.

### Maize:

Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/lit or Dimethoate @ 2ml/lit or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of leaf blight in Maize. To control spray Azoxystrobin + Mancozeb 300 g /ac.

### VEGETABLES:

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- 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 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.-420**  
**Date- 25/07/2023**

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received average 8mm & district received average 8mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.2°C (+1°C from normal)** and **26.1°C (+2°C from normal)**, respectively. Mean relative humidity of the district was around 85-89%.

**Forecasted period: Today(8.30IST) to 30<sup>th</sup> July (8.30IST)2023**

**Weather advisory:** *Light to Moderate rainfall is forecasted for today to Friday and moderate to isolated heavy rainfall is forecasted on Saturday in the block.* The day temperature will be **31-34°C** and night temperature will be **25-27°C** for upcoming 5 days. Maximum and minimum relative humidity will be 80-90% and 54-69% 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	25/07/2023	26/07/2023	27/07/2023	28/07/2023	29/07/2023
Rainfall(mm)	9	13	8	15	34
T-Max(°C)	32	31	33	34	31
T-Min(°C)	25	25	26	27	26
Cloud Cover(octa)	5	6	4	8	8
RH Max (%)	89	90	87	86	80
RH Min (%)	60	62	56	54	69
Wind Speed (Kmph)	18	17	14	9	15
Wind Direction (deg)	68	144	155	270	293

**Agro met Advisory**

**General advisory:** *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

**Kharifrice:(DIRECT SEEDED RICE):**

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

**TRANSPLANTED RICE:**

Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

**Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. 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.**

**Maize:**

**Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @1 ml/lit or Dimethoate @ 2ml/lit or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb 300 g /ac.

**VEGETABLES:**

- June-july is the best time for sowing of tomato in raised bed for nursery seedlings. Do seed treatment with Trichoderma viride @ 4g/kg seeds. The seed treatment must be done 24 hours before sowing of seeds.
- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
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**Fruits:**

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

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



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

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

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

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

- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

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

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