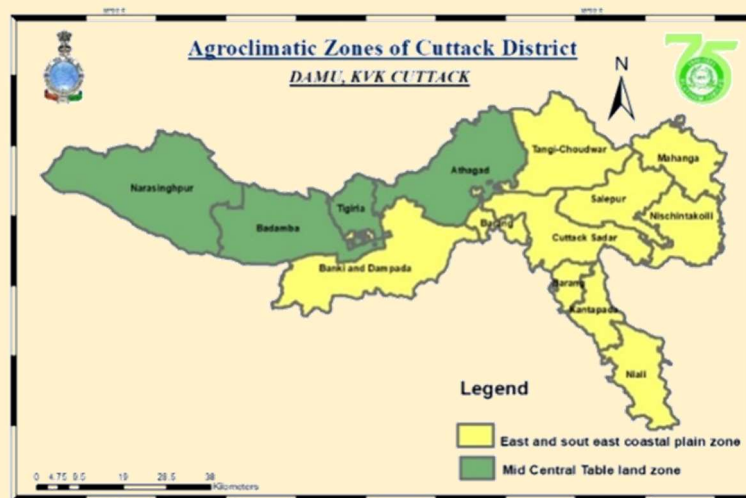




Cuttack District Block Wise Agro-met Advisory Service Bulletin

Tuesday 19th August, 2022
(For the period 19th to 23th
August, 2022)



Issued by
District Agromet 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)
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-323
Date- 19/08/2022

STANDARD PRECIPITATION INDEX AND NDVI MAP

| Standard Precipitation Index (SPI) | Normalized difference vegetation Index (NDVI) |
|--|---|
| <p align="center">Standardised Precipitation Index for the period 21st July to 17th August 2022</p> <p align="center">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p align="center">As per SPI value (cumulative 4weeks -21July 2022 – 17August 2022), mildly wet condition was there in Cuttack district.</p> | <p align="center">NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 30 (23.07.2022 to 29.07.2022) over Agricultural region</p> <p align="center">Odisha</p> <p align="center">Agriculture vigour is moderate over isolated pockets of the state.</p> <p align="center">According to NDVI map (23.07.2022 to 29.07.2022) the agriculture vigor was very light to light over most places of Cuttack district and light to moderate over isolated places of Badamba, Narasinghpuronly .</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 |

Dr Sujata Sethy
(Nodal officer)



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

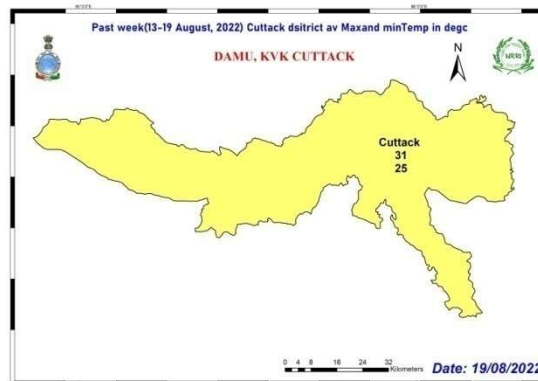
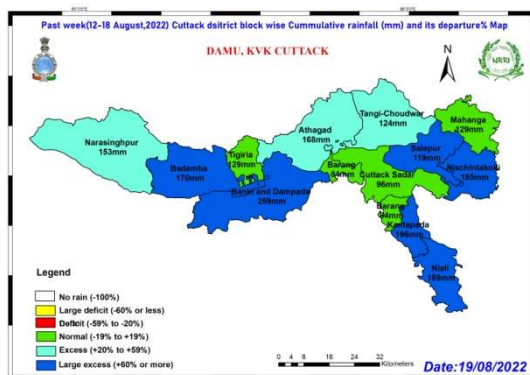


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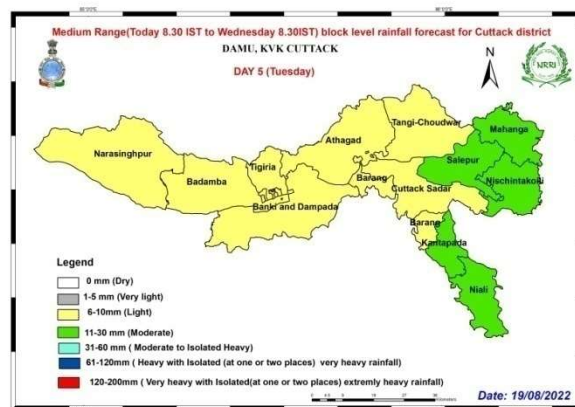
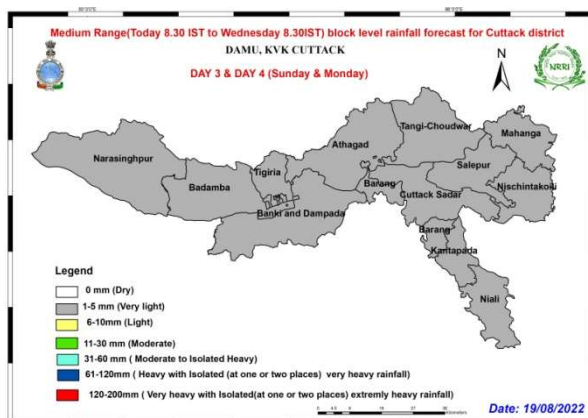
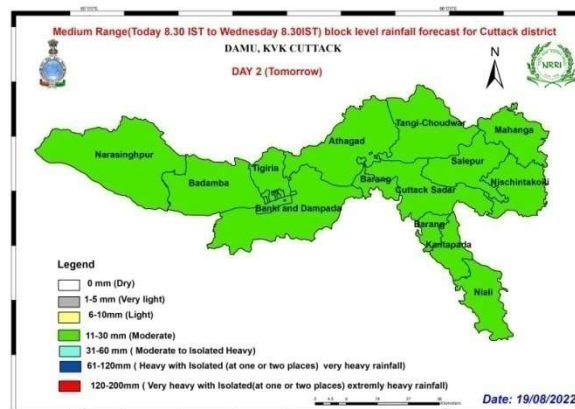
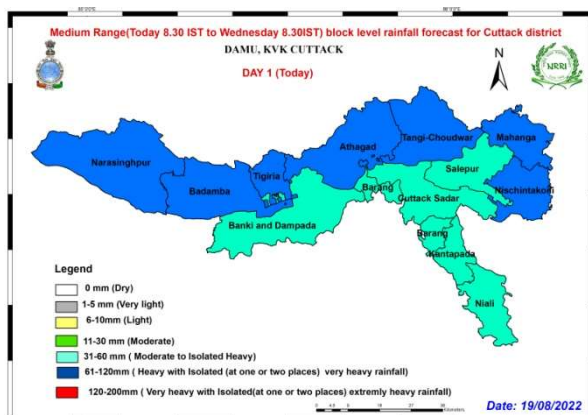


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Past week (12-18 August, 2022) cumulative rainfall departure% from normal and (13-19 August) average maximum and minimum temperature for Cuttack district



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



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Debasish Jena
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| Met Sub division | Extended range outlook for subsequent 1 week (6 th to 12 th days) (24-30 August 2022) | | |
|------------------|--|----------------------|-----------------|
| Odisha | <i>Parameter</i> | <i>Departure (%)</i> | <i>Category</i> |
| | Rainfall | -11.00 | Normal |
| | <i>Parameter</i> | <i>Anomaly</i> | <i>Category</i> |
| | Maximum temperature | NA | NA |
| | Minimum temperature | NA | NA |

General Agromet Advisory:- There will be **normal rainfall is forecasted in subsequent week after 5 days in Odisha condition**, so farmers are advised to complete transplanting and beushaning activities by the subsequent week by utilizing the rain water and should make proper drainage sytem to drainout excess water .

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

- 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))**.
- Quantitatively, the monsoon seasonal (June to September) rainfall over the country as a whole is likely to be 103% of the Long Period Average (LPA) with a model error of $\pm 4\%$. The LPA of the seasonal rainfall over the country as a whole based on data of 1971-2020 is 87 cm.
- As per probabilistic forecast of rainfall, there will be **below normal rainfall during Monsoon** in Odisha condition.
- *Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.*

Tercile probability rainfall forecast for 2022 southwest monsoon season

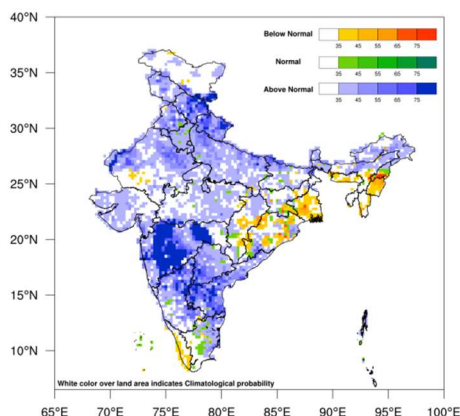


Fig.1.Updated Probability forecast of tercile categories* (below normal, normal, and above normal) of rainfall over India during monsoon season (June -September), 2022. The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within the land area represent climatological probabilities.

*Tercile categories have equal climatological probabilities of 33.33% each.

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Weather (Past and Forecasted) based Disease and pest in Major Crops and vegetables

| Sl No | Crop | Stage and condition of the crop | Anticipated Disease and pest | |
|-------|-------------------------|---------------------------------|--|----------------------|
| 1 | Rice | Tillering |  | Sheath blight |
| | | |  | Blast |
| | | |  | Swarming caterpillar |
| | | |  | Leaf folder |
| | | |  | Stem borer |
| 2 | Sugarcane | Vegetative to Tillering |  | Weeds |
| 3 | Maize | 3-5 week stage |  | Stem fly |
| | | |  | Leaf blight |
| | | |  | Stalk rot |
| 4 | Brinjal, tomato, chilli | seedling |  | Seedling rot |

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Debasish Jena
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| | | | | |
|----|--------------------|---------|--|------------------------------|
| | | |  | Stem rot |
| 5 | Tomato and brinjal | Fruting |  | Bacterial wilt |
| 6 | chilli | fruting |  | Leaf curl |
| 7 | okra | Fruting |  | Fruit and shoot borer |
| | | |  | cercospora leaf spot |
| 8 | Pointed gourd | |  | Fruit rot |
| 9 | Banana | |  | Sigatoka |
| 10 | Papaya | |  | Yellow mosaic virus |

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Bulletin No.-323
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AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 24mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August (8.30IST)2022

Weather advisory: *Moderate with isolate heavy to very heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and very light to light rainfall is forecasted for other 3 days in the block.* The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-90% and 56-67% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall (mm) | 61 | 25 | 5 | 4 | 10 |
| T-Max (°C) | 33 | 29 | 32 | 31 | 32 |
| T-Min (°C) | 25 | 25 | 25 | 25 | 26 |
| Cloud Cover (octa) | 8 | 8 | 7 | 4 | 7 |
| RH Max (%) | 90 | 86 | 88 | 83 | 85 |
| RH Min (%) | 56 | 67 | 57 | 60 | 57 |
| Wind Speed (kmph) | 17 | 13 | 8 | 9 | 8 |
| Wind Direction (deg) | 288 | 207 | 214 | 207 | 270 |

Agromet Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.*

Kharif Rice:

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

Weather based Disease and pest

- *Temperature below 28deg c and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. In early transplanted/direct sown crop, chance for **leaf folder** infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.*
- *If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.*
- *Present cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.*

Maize:

After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb @ 300 g /ac. Due to water logging condition **stem rot** may be found, then farmers should apply carbendazim @ 2g/ltr water.

VEGETABLES: Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

- **Brinjal, tomato and chilli** seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon 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. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)

ANIMAL HUSBANDRY: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. if grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Dr Sujata Sethy
(Nodal officer)



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



GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
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Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 24mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today (8.30IST) to 24th August (8.30IST) 2022

Weather advisory: *Moderate with isolate heavy to very heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and very light to light rainfall is forecasted for other 3 days in the block.* The day temperature will be 30-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-89% and 58-67% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall (mm) | 62 | 28 | 5 | 3 | 10 |
| T-Max (°C) | 33 | 30 | 32 | 32 | 31 |
| T-Min (°C) | 24 | 24 | 24 | 24 | 25 |
| Cloud Cover (octa) | 8 | 8 | 8 | 4 | 7 |
| RH Max (%) | 89 | 87 | 89 | 86 | 85 |
| RH Min (%) | 58 | 67 | 59 | 59 | 59 |
| Wind Speed (Kmph) | 15 | 11 | 7 | 8 | 7 |
| Wind Direction (deg) | 288 | 207 | 248 | 207 | 270 |

Agromet Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.*

Kharif Rice:

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

Weather based Disease and pest

- **Temperature below 28°C and continuous rainfall lead to infestation of stem borer at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10 kg/acre. In early transplanted/direct sown crop, chance for leaf folder infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.**
- **If swarming caterpillar found after the rain water recedes, apply chlorpyrifos @ 2 ml/ltr of water to root zone in afternoon hour.**
- **Present cloudy and humid weather conditions are favorable for the development of blast in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ litre of water. If sheath blight will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.**

Maize: After 3-4 weeks of sowing go for top dressing of 35 kg urea followed by earthing up. Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2 ml/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. Due to water logging condition stem rot may be found, then farmers should apply carbendazim @ 2 g/ltr water.

VEGETABLES:

Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

- **Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.**
- **The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon 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. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.**
- **Present weather may aggravate fruit rot in pointed gourd, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)**

ANIMAL HUSBANDRY: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
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Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August (8.30IST)2022

Weather advisory: Moderate with isolate heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 29-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-87% and 56-65% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall(mm) | 35 | 18 | 5 | 5 | 10 |
| T-Max(°C) | 33 | 29 | 32 | 31 | 32 |
| T-Min(°C) | 25 | 24 | 25 | 25 | 25 |
| Cloud Cover(octa) | 8 | 8 | 7 | 4 | 7 |
| RH Max (%) | 87 | 85 | 87 | 83 | 84 |
| RH Min (%) | 56 | 65 | 56 | 59 | 57 |
| Wind Speed (Kmph) | 16 | 13 | 9 | 9 | 8 |
| Wind Direction (deg) | 288 | 207 | 225 | 207 | 270 |

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

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Weather based Disease and pest

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VEGETABLES:

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- Present weather may aggravate fruit rot in pointed gourd, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)

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SMS (Agrometeorology)
Contact No-9861445080/7008453427



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



Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 37mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August (8.30IST)2022

Weather Advisory: Moderate with isolate heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 29-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-87% and 56-65% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall(mm) | 50 | 25 | 5 | 5 | 10 |
| T-Max(°C) | 33 | 29 | 32 | 31 | 32 |
| T-Min(°C) | 25 | 24 | 25 | 25 | 25 |
| Cloud Cover(octa) | 8 | 8 | 7 | 4 | 7 |
| RH Max (%) | 87 | 85 | 87 | 84 | 84 |
| RH Min (%) | 56 | 65 | 56 | 59 | 57 |
| Wind Speed (Kmph) | 16 | 13 | 9 | 9 | 8 |
| Wind Direction (deg) | 288 | 207 | 225 | 207 | 270 |

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

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

Weather based Disease and pest

- Temperature below 28deg c and continuous rainfall lead to infestation of stem borer at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. In early transplanted/direct sown crop, chance for leaf folder infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If swarming caterpillar found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- Present cloudy and humid weather conditions are favorable for the development blast in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If sheath blight will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Maize:

After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of leaf blight in Maize. To control spray Azoxystrobin + Mancozeb @ 300 g /ac. Due to water logging condition stem rot may be found, then farmers should apply carbendazim @ 2g/ltr water.

VEGETABLES:

Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon 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. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.
- Present weather may aggravate fruit rot in pointed gourd, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)

ANIMAL HUSBANDRY: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
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Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 12mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August(8.30IST)2022

Weather advisory: *Moderate with isolate heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and very light to light rainfall is forecasted for other 3 days in the block.* The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-87% and 53-63% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall(mm) | 45 | 24 | 5 | 3 | 10 |
| T-Max(°C) | 33 | 29 | 32 | 31 | 32 |
| T-Min(°C) | 25 | 25 | 25 | 25 | 26 |
| Cloud Cover | 8 | 8 | 7 | 4 | 7 |
| RH Max (%) | 87 | 84 | 86 | 81 | 83 |
| RH Min (%) | 53 | 63 | 53 | 60 | 54 |
| Wind Speed (Kmph) | 18 | 14 | 10 | 10 | 9 |
| Wind Direction (deg) | 288 | 212 | 225 | 289 | 214 |

Agromet Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain.* As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

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

Weather based Disease and pest

- **Temperature below 28deg c and continuous rainfall lead to infestation of stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. In early transplanted/direct sown crop, chance for leaf folder infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- **If swarming caterpillar found after the rain water recedes**, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- **Present cloudy and humid weather conditions are favorable for the development blast in paddy.** For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If sheath blight will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Maize:

After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb @ 300 g /ac. Due to water logging condition **stem rot** may be found, then farmers should apply carbendazim @ 2g/ltr water.

VEGETABLES: Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

- **Brinjal, tomato and chilli seedlings** should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon 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. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)

ANIMAL HUSBANDRY: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. if grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Dr Sujata Sathy
(Nodal officer)



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



Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 14mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August(8.30IST)2022

Weather advisory: *Moderate with isolate heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and very light to light rainfall is forecasted for other 3 days in the block.* The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-88% and 54-64% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall(mm) | 52 | 20 | 5 | 3 | 9 |
| T-Max(°C) | 33 | 29 | 32 | 31 | 32 |
| T-Min(°C) | 25 | 25 | 25 | 25 | 26 |
| Cloud Cover(octa) | 8 | 8 | 7 | 4 | 7 |
| RH Max (%) | 88 | 85 | 86 | 81 | 85 |
| RH Min (%) | 54 | 64 | 54 | 60 | 55 |
| Wind Speed (Kmph) | 19 | 14 | 9 | 10 | 9 |
| Wind Direction (deg) | 288 | 212 | 225 | 289 | 214 |

Agromet Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.*

Kharif Rice:

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

Weather based Disease and pest

- **Temperature below 28deg c and continuous rainfall lead to infestation of stem borer at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. In early transplanted/direct sown crop, chance for leaf folder infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.**
- **If swarming caterpillar found after the rain water recedes, apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.**
- **Present cloudy and humid weather conditions are favorable for the development blast in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If sheath blight will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.**

Sugarcane:

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

VEGETABLES:

Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

- **Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.**
- **The present weather conditions are favourable for Upward and downward 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. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.**
- **Present weather may aggravate fruit rot in pointed gourd, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)**

ANIMAL HUSBANDRY:

Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 28mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August (8.30IST)2022

Weather advisory: Moderate with isolate heavy is forecasted for today and moderate rainfall is forecasted for tomorrow and Tuesday and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-85% and 51-61% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall(mm) | 37 | 18 | 5 | 4 | 12 |
| T-Max(°C) | 33 | 29 | 32 | 32 | 32 |
| T-Min(°C) | 25 | 25 | 26 | 25 | 26 |
| Cloud Cover(octa) | 8 | 8 | 7 | 4 | 7 |
| RH Max (%) | 85 | 83 | 85 | 82 | 81 |
| RH Min (%) | 52 | 61 | 51 | 57 | 53 |
| Wind Speed (Kmph) | 18 | 15 | 12 | 10 | 9 |
| Wind Direction (deg) | 283 | 212 | 225 | 207 | 210 |

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

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

Weather based Disease and pest

- Temperature below 28deg c and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. In early transplanted/direct sown crop, chance for **leaf folder** infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- Present cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Sugarcane:

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

VEGETABLES:

Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

- **Brinjal, tomato and chilli** seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon 3 ml. or diphenthion @ 1g./L of water.
- To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)

ANIMAL HUSBANDRY:

Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Dr Sujata Sethy
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Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 18mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August (8.30IST)2022

Weather advisory: *Moderate with isolate heavy to very heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and Tuesday and very light to light rainfall is forecasted for other 2 days in the block.* The day temperature will be and it will be 29-33°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 53-63% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall(mm) | 70 | 18 | 5 | 3 | 15 |
| T-Max(°C) | 33 | 29 | 32 | 31 | 33 |
| T-Min(°C) | 25 | 25 | 25 | 25 | 25 |
| Cloud Cover(octal) | 8 | 8 | 6 | 4 | 6 |
| RH Max (%) | 87 | 85 | 85 | 82 | 84 |
| RH Min (%) | 53 | 63 | 53 | 59 | 53 |
| Wind Speed (Kmph) | 22 | 16 | 11 | 11 | 10 |
| Wind Direction (deg) | 283 | 212 | 248 | 270 | 205 |

Agromet Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.*

Kharif Rice:

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

Weather based Disease and pest

- **Temperature below 28deg c and continuous rainfall lead to infestation of stem borer at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. In early transplanted/direct sown crop, chance for leaf folder infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.**
- **If swarming caterpillar found after the rain water recedes, apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.**
- **Present cloudy and humid weather conditions are favorable for the development blast in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If sheath blight will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.**
- **Jute:** After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. Farmers should be alert about the initial infestation of hairy caterpillar, grey weevils and yellow mites after rain when the temperature raises with high humidity. Control: i) Spray Lambda Cyhalothrin 5EC @ 1ml/lit or Indoxacarb 14.5 SC @ 1.0 ml/litre in extreme cases of hairy caterpillar. Spray combination of (Chlorpyrifos 50 EC + Cypermethrin 5 EC) @ 1-1.5 ml/l or Chlorpyrifos 20 EC @ 2ml/litre or Quinalphos 25 EC @ 1.25 ml/litre to control grey weevils. To control yellow mite spray Fenpyroximate @ 25ml/15lit water with sticker and repeat the same in consequent next 14 days.

VEGETABLES:

- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli seedlings** should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon 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. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.
- Present weather may aggravate fruit rot in pointed gourd, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)

ANIMAL HUSBANDRY: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Dr Sujata Sethy
(Nodal officer)



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



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



Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 22mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August (8.30IST)2022

Weather advisory: Moderate with isolate heavy to very heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 30-32°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-92% and 57-68% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall(mm) | 65 | 30 | 5 | 3 | 10 |
| T-Max(°C) | 32 | 30 | 31 | 32 | 31 |
| T-Min(°C) | 24 | 23 | 23 | 23 | 24 |
| Cloud Cover(/octa) | 8 | 8 | 8 | 4 | 7 |
| RH Max (%) | 92 | 91 | 91 | 89 | 89 |
| RH Min (%) | 60 | 68 | 60 | 57 | 60 |
| Wind Speed (Kmph) | 11 | 9 | 6 | 6 | 6 |
| Wind Direction (deg) | 288 | 212 | 244 | 285 | 214 |

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

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

Weather based Disease and pest

- Temperature below 28°C and continuous rainfall lead to infestation of stem borer at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10 kg/acre. In early transplanted/direct sown crop, chance for leaf folder infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If swarming caterpillar found after the rain water recedes, apply chloropyrifos @ 2 ml/ltr of water to root zone in afternoon hour.
- Present cloudy and humid weather conditions are favorable for the development of blast in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If sheath blight will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Maize: After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of leaf blight in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Due to water logging condition stem rot may be found, then farmers should apply carbendazim @ 2g/ltr water.

VEGETABLES:

Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon 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. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.
- Present weather may aggravate fruit rot in pointed gourd, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)

ANIMAL HUSBANDRY: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Dr Sujata Sethy
(Nodal officer)



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



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



Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 27mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August (8.30IST) 2022

Weather advisory: *Moderate with isolate heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and Tuesday and very light to light rainfall is forecasted for other 2 days in the block.* The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-84% and 52-60% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall(mm) | 40 | 18 | 5 | 4 | 16 |
| T-Max(°C) | 33 | 29 | 32 | 32 | 33 |
| T-Min(°C) | 25 | 25 | 26 | 25 | 26 |
| Cloud Cover(octa) | 8 | 8 | 7 | 5 | 7 |
| RH Max (%) | 84 | 81 | 83 | 81 | 80 |
| RH Min (%) | 54 | 60 | 52 | 56 | 52 |
| Wind Speed(Kmph) | 17 | 16 | 14 | 11 | 9 |
| Wind Direction(deg) | 257 | 207 | 225 | 214 | 208 |

Agromet Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.*

Kharif Rice:

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

Weather based Disease and pest

- **Temperature below 28°C and continuous rainfall lead to infestation of stem borer at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. In early transplanted/direct sown crop, chance for leaf folder infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.**
- **If swarming caterpillar found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.**
- **Present cloudy and humid weather conditions are favorable for the development blast in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If sheath blight will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.**

Sugarcane:

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

VEGETABLES:

Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

- **Brinjal, tomato and chilli seedlings** should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- The present weather conditions are favourable for **Upward and downward 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. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)

ANIMAL HUSBANDRY:

Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Dr Sujata Sethy
(Nodal officer)



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



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



Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI
District Past week average weather condition and Block past week average Rainfall condition

The block received average 26mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August (8.30IST)2022

Weather advisory: *Moderate with isolate heavy to very heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and Tuesday and very light to light rainfall is forecasted for other 2 days in the block.* The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 52-63% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall(mm) | 62 | 19 | 4 | 1 | 17 |
| T-Max(°C) | 33 | 29 | 32 | 31 | 32 |
| T-Min(°C) | 25 | 25 | 26 | 25 | 26 |
| Cloud Cover(octa) | 8 | 8 | 6 | 4 | 6 |
| RH Max (%) | 87 | 85 | 84 | 82 | 84 |
| RH Min (%) | 52 | 63 | 54 | 59 | 53 |
| Wind Speed (Kmph) | 21 | 15 | 11 | 11 | 9 |
| Wind Direction (deg) | 283 | 207 | 248 | 270 | 205 |

Agromet Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.*

Kharif Rice:

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

Weather based Disease and pest

- Temperature below 28deg c and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. In early transplanted/direct sown crop, chance for **leaf folder** infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- Present cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Sugarcane:

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

VEGETABLES:

Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

- **Brinjal, tomato and chilli** seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- The present weather conditions are favourable for **Upward and downward 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. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)

ANIMAL HUSBANDRY:

Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Dr Sujata Sethy
(Nodal officer)



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



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



Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 17mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August (8.30IST)2022

Weather advisory: Moderate with isolate heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and Tuesday and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 52-63% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall(mm) | 55 | 20 | 5 | 2 | 12 |
| T-Max(°C) | 33 | 29 | 33 | 31 | 32 |
| T-Min(°C) | 25 | 25 | 26 | 25 | 26 |
| Cloud Cover(octa) | 8 | 8 | 6 | 4 | 6 |
| RH Max (%) | 87 | 85 | 85 | 82 | 84 |
| RH Min (%) | 52 | 63 | 54 | 59 | 54 |
| Wind Speed (Kmph) | 21 | 15 | 11 | 11 | 9 |
| Wind Direction (deg) | 288 | 212 | 248 | 270 | 205 |

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

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

Weather based Disease and pest

- Temperature below 28deg c and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. In early transplanted/direct sown crop, chance for **leaf folder** infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- Present cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.
- **Jute:** After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/liter of water. Farmers should be alert about the initial infestation of **hairy caterpillar, grey weevils and yellow mites** after rain when the temperature raises with high humidity. Control: i) Spray Lambda Cyhalothrin 5EC @ 1ml/lit or Indoxacarb 14.5 SC @ 1.0 ml/litre in extreme cases of hairy caterpillar. Spray combination of (Chlorpyrifos 50 EC + Cypermethrin 5 EC) @ 1-1.5 ml/l or Chlorpyrifos 20 EC @ 2ml/litre or Quinalphos 25 EC @ 1.25 ml/litre to control grey weevils. To control yellow mite spray Fenpyroximate @ 25ml/15lit water with sticker and repeat the same in consequent next 14 days.

VEGETABLES:

- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli seedlings** should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon 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. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)

ANIMAL HUSBANDRY: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

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(Nodal officer)



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



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



Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 18mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August (8.30IST)2022

Weather advisory: Moderate with isolate heavy to very heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-84% and 53-64% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall(mm) | 68 | 23 | 4 | 5 | 8 |
| T-Max(°C) | 33 | 29 | 33 | 31 | 32 |
| T-Min(°C) | 25 | 25 | 26 | 25 | 26 |
| Cloud Cover(octa) | 8 | 8 | 7 | 6 | 6 |
| RH Max (%) | 84 | 80 | 81 | 80 | 81 |
| RH Min (%) | 57 | 64 | 58 | 59 | 53 |
| Wind Speed (Kmph) | 22 | 20 | 17 | 13 | 11 |
| Wind Direction (deg) | 283 | 207 | 210 | 236 | 208 |

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

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

Weather based Disease and pest

- Temperature below 28deg c and continuous rainfall lead to infestation of **stem borer** at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. In early transplanted/direct sown crop, chance for **leaf folder** infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.
- If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour.
- Present cloudy and humid weather conditions are favorable for the development **blast** in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If **sheath blight** will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.

Maize:

After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G granuals @ 14 kg/acre. High humid conditions, temperature between 18-27 Deg. Celsius favours the occurrence of **leaf blight** in Maize. To control spray Azoxystrobin + Mancozeb (Pluton) @ 300 g /ac. Due to water logging condition **stem rot** may be found, then farmers should apply carbendazim @ 2g/ltr water.

VEGETABLES: Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

- **Brinjal, tomato and chilli** seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon 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. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.
- Present weather may aggravate **fruit rot in pointed gourd**, to control it remove damaged fruit from the field and drain out excess water. Spray alternately Copper Oxychloride 50% WP (4 g/litre of water) and Metalaxyl 8% + Mancozeb 64% (3 g/litre of water)

ANIMAL HUSBANDRY: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Dr Sujata Sethy
(Nodal officer)



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 APP for Lightening alert in your area



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



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



Bulletin No.-323
Date- 19/08/2022

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 18mm and district received average 21mm rainfall during the last week. The mean daily maximum and minimum temperature was 31.8°C (-1) and 24°C (+0.88), respectively. Mean relative humidity was around 77-88%.

Forecasted period: Today(8.30IST) to 24th August (8.30IST)2022

Weather advisory: *Moderate with isolate heavy to very heavy rainfall is forecasted for today and moderate rainfall is forecasted for tomorrow and very light to light rainfall is forecasted for other 3 days in the block.* The day temperature will be 30-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-91% and 57-68% 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 | 19/08/2022 | 20/08/2022 | 21/08/2022 | 22/08/2022 | 23/08/2022 |
| Rainfall(mm) | 67 | 27 | 5 | 2 | 9 |
| T-Max(°C) | 33 | 30 | 32 | 31 | 32 |
| T-Min(°C) | 24 | 24 | 25 | 25 | 25 |
| Cloud Cover(octa) | 8 | 8 | 7 | 4 | 7 |
| RH Max (%) | 91 | 87 | 89 | 84 | 85 |
| RH Min (%) | 57 | 68 | 59 | 60 | 58 |
| Wind Speed (Kmph) | 16 | 12 | 7 | 9 | 7 |
| Wind Direction (deg) | 288 | 207 | 225 | 296 | 248 |

Agro met Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near Mahanadi coastal belt area as there was water logging situation due to past rain. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.*

Kharif Rice:

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

Weather based Disease and pest

- **Temperature below 28deg c and continuous rainfall lead to infestation of stem borer at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. In early transplanted/direct sown crop, chance for leaf folder infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.**
- **If swarming caterpillar found after the rain water recedes, apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.**
- **Present cloudy and humid weather conditions are favorable for the development blast in paddy. For the blast control spray tricyclazole 75% @ 0.6 gram or Isoprothiolane 40 % @ 1.5 ml/ lit of water. If sheath blight will be found in early transplanted rice due to cloudy weather then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water.**

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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).

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

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