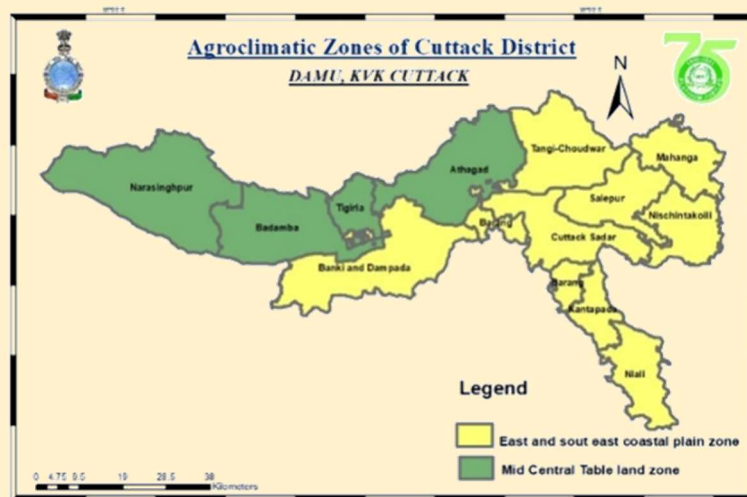




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday, 18th August, 2023
(For the period 18th to 22nd August,
2023)*



*Issued by
District Agro-met Unit,
Krishi Vigyan Kendra Cuttack*





GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
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Bulletin No.-428
Date- 18/08/2023

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 13th July to 9th August 2023</p>	<p style="text-align: center;">NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 32 (06.08.2023 to 12.08.2023) 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><i>As per SPI value (cumulative 4weeks -13 July to 9August 2023), Mildly wet condition was there in Cuttack district.</i></p>	<p><i>According to NDVI map (06.08.2023 to 12.08.2023) the agriculture vigor was moderate over isolated places of Narsinghpur, Badamba, Athagad, Tangi-choudwar blocks of Cuttack district and very light over most places of other blocks.</i></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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Debasish Jena
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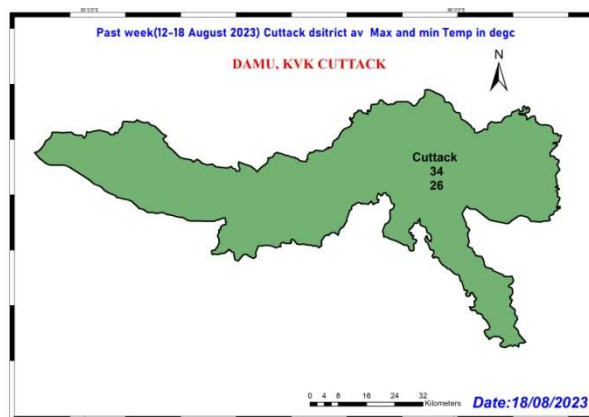
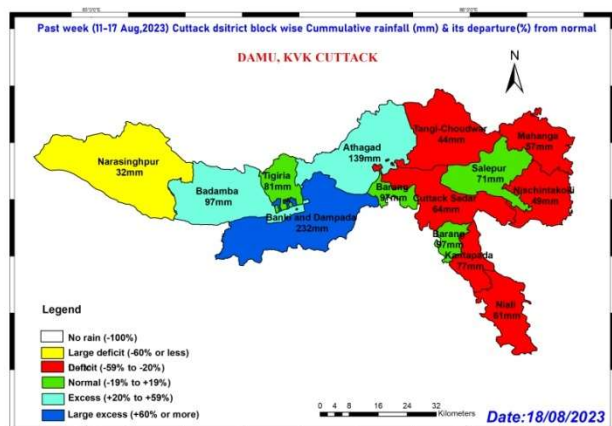
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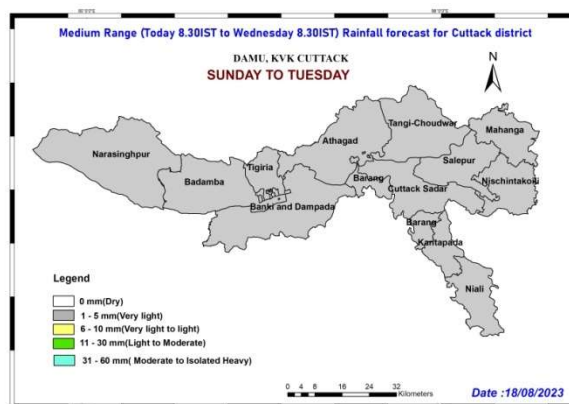
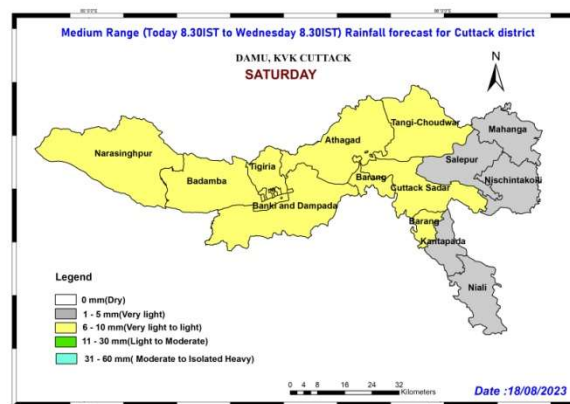
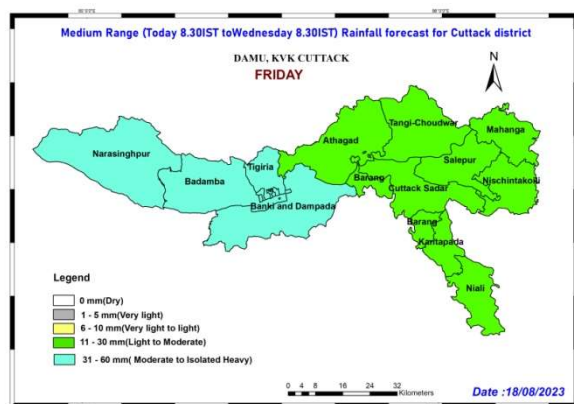
Bulletin No.-428

Date- 18/08/2023

Past week (11-17 August, 2023) cumulative rainfall(mm) & its departure% from normal and (12-18 August) average maximum and minimum temperature for Cuttack district



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



Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-428
Date- 18/08/2023

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (23-29 August 2023) after 5 days				
Odisha	<i>Parameter</i>	<i>Actual</i>	<i>Normal</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall (mm)	10.67	9.55	11.76	Normal
	<i>Parameter</i>	<i>Actual</i>	<i>Normal</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature (°C)	31.09	31.23	-0.51	Normal
	Minimum temperature (°C)	24.74	24.25	0.49	Normal

***Agromet Advisory based upon subsequent week extended range forecast:-** As there will be **normal rainfall in the subsequent week (23-29 August, 2023) after 5 days in Odisha condition**, so farmers are advised to drainout excess water from paddy field and should maintain 5-10cm during transplanting/reproductive stage. Farmers may go for sowing of kharif vegetables before the subsequent week. In heavy weed infested areas, before the subsequent week, spray Bispyribac sodium 10% SC @ 120 ml/acre in 8 tanks of 16 litre capacity sprayer at 8-10 days after emergence of weeds (or when the weeds are at 2-3 leaf stage). **By utilizing clear weather all plant protection measures, intercultural operations, fertilizer/pesticide application; human labour engagement may be done in upcoming 3-4 days after tomorrow based upon rainfall forecast.**



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Bulletin No.-428
Date- 18/08/2023

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 to tillering		Blast
				Sheath blight
				Stem Borer
				Leaf folder
				Sawrming caterpillar
2	Sugarcane	Vegetative to Tillering		Red rot
				Wilt
				Whitefly
				Stem fly
3	Maize	5 week stage		Leaf blight

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 (Nodal officer)



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				Stalk rot
3	Jute	30-50days		Stem rot
				Indigo caterpillar
4	Brinjal, tomatoto, chilli	seedling		Damping off
				Stem rot
5	Tomato and brinjal			Bacterial wilt
				White fly
				Jassid
6	okra	Fruting		Fruit and shoot borer
				cercospora leaf spot
7	Banana			Sigatoka
8	Papaya			Yellow mosaic virus

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Bulletin No.-428

Date- 18/08/2023

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 20mm& district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.7°C (+1.8°C from normal) and 25.6°C (+1.5°C from normal), respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather advisory: Light to moderate rainfall is forecasted for today & tomorrow and very light rainfall is forecasted for next 3 days in the block. The day temperature will be 31-35°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-88% and 49-59% 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	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall (mm)	28	8	2	1	4
T-Max (°C)	31	33	35	34	34
T-Min (°C)	25	26	27	27	27
Cloud Cover (octa)	7	4	6	8	8
RH Max (%)	88	86	79	78	81
RH Min (%)	59	50	51	50	49
Wind Speed (kmph)	11	13	9	10	9
Wind Direction (deg)	165	155	203	205	212

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.

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.
- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- 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.

Maize: Maize crop is highly sensitive to waterlogged conditions during seedling stage. Hence, drain out excess water from the field as early as possible.

- After cessation of rains apply booster dose of fertilizer.
- Weeds may be controlled after rainfall.
- 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. Due to water logging condition stem rot may be found, then farmers should apply carbendazim @ 2g/ltr water.

VEGETABLES: Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythine cover in view of heavy rainfall activity.

- Due to pastrain, 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.
- If incidence of Damping off is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.
- 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.

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.-428

Date- 18/08/2023

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 14mm& district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.7°C (+1.8°C from normal)** and **25.6°C (+1.5°C from normal)**, respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather advisory: *Moderate to isolated heavy rainfall is forecasted for today & very light to light rainfall is forecasted in between next 4 days in the block.* The day temperature will be 30-35°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-88% and 50-66% 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	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall(mm)	38	9	2	1	4
T-Max(°C)	30	32	35	34	34
T-Min(°C)	24	25	26	26	26
Cloud Cover(octa)	7	4	6	8	7
RH Max (%)	88	86	81	79	82
RH Min (%)	66	53	54	51	50
Wind Speed (Kmph)	10	11	8	8	9
Wind Direction (deg)	165	160	206	208	225

Agromet Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.*

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.
- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- 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.

Maize: Maize crop is highly sensitive to waterlogged conditions during seedling stage. Hence, drain out excess water from the field as early as possible.

- After cessation of rains apply booster dose of fertilizer.
- Weeds may be controlled after rainfall.
- 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. Due to water logging condition stem rot may be found, then farmers should apply carbendazim @ 2g/ltr water.

VEGETABLES: *Darin out excess water from vegetable field and nursery and cover the vegetable seedling with polythine cover in view of heavy rainfall activity.*

- Due to pastrain, 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.
- If incidence of **Damping off** is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.
- 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**.

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.-428
Date- 18/08/2023

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.7°C (+1.8°C from normal)** and **25.6°C (+1.5°C from normal)** respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather advisory: *Moderate to isolated heavy rainfall is forecasted for today & very light to light rainfall is forecasted in between next 4 days in the block.* The day temperature will be **30-34°C** and night temperature will be **24-27°C** for upcoming 5 days. Maximum and minimum relative humidity will be 77-86% and 47-62% 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	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall(mm)	34	8	2	1	4
T-Max(°C)	30	32	34	34	34
T-Min(°C)	24	25	26	26	27
Cloud Cover(octa)	7	4	6	8	7
RH Max (%)	86	85	79	77	81
RH Min (%)	62	49	51	48	47
Wind Speed (Kmph)	11	14	9	10	10
Wind Direction (deg)	165	160	206	208	225

Agromet Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.*

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.
- Intermittent dry and wet weather condition, is favorable 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.*
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.*
- 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.*

Maize:

- Maize crop is highly sensitive to waterlogged conditions during seedling stage. Hence, drain out excess water from the field as early as possible.
- After cessation of rains apply booster dose of fertilizer.
- Weeds may be controlled after rainfall.
- 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 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 @ 2g/ltr water.**

VEGETABLES: *Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythene cover in view of heavy rainfall activity.*

- Due to pastrain, 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.
- If incidence of **Damping off** is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.**
- 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.**

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.-428

Date- 18/08/2023

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 33mm & district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.7°C (+1.8°C from normal)** and **25.6°C (+1.5°C from normal)**, respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather Advisory: *Moderate to isolated heavy rainfall is forecasted for today & very light to light rainfall is forecasted in between next 4 days in the block.* The day temperature will be 30-34°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-86% and 47-62% 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	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall(mm)	36	7	2	1	4
T-Max(°C)	30	32	34	34	34
T-Min(°C)	24	26	26	26	27
Cloud Cover(octa)	7	4	6	8	7
RH Max (%)	86	85	79	77	81
RH Min (%)	62	49	51	48	47
Wind Speed (Kmph)	11	14	9	10	10
Wind Direction (deg)	165	160	203	208	225

Agromet Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.*

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.

- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- Temperature below 28 deg 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.

Maize: Maize crop is highly sensitive to waterlogged conditions during seedling stage. Hence, drain out excess water from the field as early as possible.

- After cessation of rains apply booster dose of fertilizer.
- Weeds may be controlled after rainfall.
- **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. Due to water logging condition stem rot may be found, then farmers should apply carbendazim @ 2g/ltr water.

VEGETABLES: Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythine cover in view of heavy rainfall activity.

- Due to pastrain, 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.
- If incidence of **Damping off** is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.
- 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**.

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.-428
Date- 18/08/2023

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 14mm& district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.7°C (+1.8°C from normal)** and **25.6°C (+1.5°C from normal)**, respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather advisory: *Light to moderate rainfall is forecasted for today & tomorrow and very light rainfall is forecasted for next 3 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 76-84% and 45-57% 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	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall(mm)	26	6	2	1	2
T-Max(°C)	31	33	33	34	34
T-Min(°C)	25	26	27	27	27
Cloud Cover	7	4	6	8	7
RH Max (%)	84	82	77	76	76
RH Min (%)	57	47	48	45	48
Wind Speed (Kmph)	14	16	13	12	12
Wind Direction (deg)	198	180	203	205	204

Agromet Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.*

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.
- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- 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.

Maize: Maize crop is highly sensitive to waterlogged conditions during seedling stage. Hence, drain out excess water from the field as early as possible.

- After cessation of rains apply booster dose of fertilizer.
- Weeds may be controlled after rainfall.
- 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. Due to water logging condition stem rot may be found, then farmers should apply carbendazim @ 2g/ltr water.

VEGETABLES: *Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythine cover in view of heavy rainfall activity.*

- Due to pastrain, 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.
- If incidence of **Damping off** is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.
- 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**.

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



Bulletin No.-428
Date- 18/08/2023

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

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 9mm & district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.7°C (+1.8°C from normal)** and **25.6°C (+1.5°C from normal)**, respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather advisory: Light to moderate rainfall is forecasted for today & tomorrow and very light rainfall is forecasted for next 3 days in the block. The day temperature will be 31-34°C and night temperature will be 25-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-86% and 48-56% 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	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall(mm)	25	6	2	1	2
T-Max(°C)	31	33	34	34	34
T-Min(°C)	25	26	27	27	28
Cloud Cover(octa)	7	4	6	8	8
RH Max (%)	86	84	78	76	77
RH Min (%)	56	49	48	48	49
Wind Speed (Kmph)	12	15	11	11	11
Wind Direction (deg)	198	180	203	205	212

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.

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.
- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- 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.

Sugarcane: Drain out excess water from the field as early as possible.

- After cessation of rains 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.
- 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.
- 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.

VEGETABLES: Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythene cover in view of heavy rainfall activity.

- Due to pastrain, 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.
- If incidence of **Damping off** is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.
- 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**.

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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AGROMET ADVISORY BULLETIN FOR KANTAPADA



Bulletin No.-428

Date- 18/08/2023

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

The block received average 11mm& district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.7°C (+1.8°C from normal)** and **25.6°C (+1.5°C from normal)**, respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather advisory: *Moderate rainfall is forecasted for today & very light rainfall is forecasted for next 4days in the block.* The day temperature will be **31-34°C** and night temperature will be **25-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 75-84% and 45-59% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall(mm)	20	5	2	1	2
T-Max(°C)	31	33	33	34	34
T-Min(°C)	25	27	27	27	28
Cloud Cover(octa)	7	2	5	8	7
RH Max (%)	84	81	77	77	75
RH Min (%)	59	49	48	45	48
Wind Speed (Kmph)	14	18	15	13	15
Wind Direction (deg)	198	198	203	207	204

Agromet Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.*

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.
- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- 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.

Sugarcane:

- Drain out excess water from the field as early as possible.
- After cessation of rains 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.
- 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.
- 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.

VEGETABLES: *Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythene cover in view of heavy rainfall activity.*

- Due to pastrain, 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.
- If incidence of **Damping off** is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.
- 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**.

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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AGROMET ADVISORY BULLETIN FOR MAHANGA



Bulletin No.-428

Date- 18/08/2023

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

The block received average 8mm & district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.7°C (+1.8°C from normal) and 25.6°C (+1.5°C from normal), respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today (8.30 IST) to 23rd August (8.30 IST) 2023

Weather advisory: Moderate rainfall is forecasted for today & very light rainfall is forecasted for next 4 days in the block. The day temperature will be and it will be 30-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will 76-86% and 49-58% 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	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall (mm)	25	5	2	1	2
T-Max (°C)	30	33	34	34	33
T-Min (°C)	25	26	27	27	27
Cloud Cover (octal)	7	3	6	8	8
RH Max (%)	86	84	80	76	77
RH Min (%)	58	52	51	49	50
Wind Speed (Kmph)	12	17	15	13	13
Wind Direction (deg)	198	167	200	207	207

Agro-met Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.

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.

- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- 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.

Sugarcane: Drain out excess water from the field as early as possible.

- After cessation of rains 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. 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. 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.

Jute: Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quisalofof-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: Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythene cover in view of heavy rainfall activity.

- Due to pastrain, 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.
- If incidence of Damping off is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.
- 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.

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.-428

Date- 18/08/2023

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 5mm & district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.7°C (+1.8°C from normal) and 25.6°C (+1.5°C from normal), respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather advisory: Moderate to isolated heavy rainfall is forecasted for today & very light to light rainfall is forecasted in between next 4 days in the block. The day temperature will be 29-35°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-91% and 53-69% 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	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall(mm)	40	9	2	1	4
T-Max(°C)	29	31	35	34	34
T-Min(°C)	24	25	25	25	26
Cloud Cover(/octa)	7	4	6	8	8
RH Max (%)	91	89	86	84	86
RH Min (%)	69	59	53	53	53
Wind Speed (Kmph)	6	8	5	6	7
Wind Direction (deg)	205	160	180	225	234

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.

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.
- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- Temperature below 28 deg 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.

Maize: Maize crop is highly sensitive to waterlogged conditions during seedling stage. Hence, drain out excess water from the field as early as possible.

- After cessation of rains apply booster dose of fertilizer.
- Weeds may be controlled after rainfall.
- 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. Due to water logging condition stem rot may be found, then farmers should apply carbendazim @ 2g/ltr water.

VEGETABLES: Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythine cover in view of heavy rainfall activity.

- Due to pastrain, 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.
- If incidence of Damping off is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.
- 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.

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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(Nodal officer)



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Bulletin No.-428
Date- 18/08/2023

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 9mm & district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.7°C (+1.8°C from normal)** and **25.6°C (+1.5°C from normal)**, respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather advisory: *Moderate rainfall is forecasted for today & very light rainfall is forecasted for next 4 days in the block.* The day temperature will be **30-34°C** and night temperature will be **25-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 74-83% and 47-61% 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	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall(mm)	20	4	2	1	2
T-Max(°C)	30	33	34	34	34
T-Min(°C)	25	27	27	27	28
Cloud Cover(octa)	7	2	5	8	7
RH Max (%)	83	80	77	77	74
RH Min (%)	61	51	49	47	48
Wind Speed(Kmph)	15	19	17	14	17
Wind Direction(deg)	198	201	203	203	204

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.

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.
- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- 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.

Sugarcane: Drain out excess water from the field as early as possible.

- After cessation of rains 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.
- 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.
- 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.

VEGETABLES: Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythine cover in view of heavy rainfall activity.

- Due to pastrain, 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.
- If incidence of Damping off is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.
- 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.

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

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Bulletin No.-428
Date- 18/08/2023

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AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 7mm& district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.7°C (+1.8°C from normal) and 25.6°C (+1.5°C from normal), respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather advisory: Moderate rainfall is forecasted for today & very light rainfall is forecasted for next 4 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 76-86% and 48-58% 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	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall(mm)	24	5	2	1	2
T-Max(°C)	31	33	34	34	33
T-Min(°C)	25	26	27	27	27
Cloud Cover(octa)	7	3	6	8	8
RH Max (%)	86	83	79	76	77
RH Min (%)	58	52	50	48	50
Wind Speed (Kmph)	13	17	15	13	13
Wind Direction (deg)	198	193	200	207	204

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.

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.
- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- 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.

Sugarcane: Drain out excess water from the field as early as possible.

- After cessation of rains 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.
- 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.
- 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.

VEGETABLES: Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythene cover in view of heavy rainfall activity.

- Due to pastrain, 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.
- If incidence of Damping off is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.
- 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.

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

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Bulletin No.-428

Date- 18/08/2023

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 10mm & district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.7°C (+1.8°C from normal) and 25.6°C (+1.5°C from normal), respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather advisory: Moderate rainfall is forecasted for today & very light rainfall is forecasted for next 4 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 76-86% and 48-57% 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	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall(mm)	25	5	2	1	2
T-Max(°C)	31	33	34	34	33
T-Min(°C)	25	26	27	27	27
Cloud Cover(octa)	7	3	6	8	8
RH Max (%)	86	83	79	76	77
RH Min (%)	57	51	50	48	50
Wind Speed (Kmph)	13	16	14	13	13
Wind Direction (deg)	198	180	200	207	207

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.

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.
- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- 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.

Sugarcane: Drain out excess water from the field as early as possible.

- After cessation of rains 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. 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. 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.

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: Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythene cover in view of heavy rainfall activity.

- Due to pastrain, 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.
- If incidence of Damping off is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.
- 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.

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

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Bulletin No.-428

Date- 18/08/2023

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 6mm & district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was 33.7°C (+1.8°C from normal) and 25.6°C (+1.5°C from normal), respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather advisory: Light to moderate rainfall is forecasted for today & tomorrow and very light rainfall is forecasted for next 3 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 78-82% and 56-64% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall(mm)	27	6	2	1	2
T-Max(°C)	31	33	34	34	33
T-Min(°C)	25	26	27	27	27
Cloud Cover(octa)	7	2	5	8	7
RH Max (%)	82	82	81	79	78
RH Min (%)	63	64	62	56	56
Wind Speed (Kmph)	17	22	20	17	21
Wind Direction (deg)	203	201	204	201	203

Agromet Advisory

General advisory: Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.

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.
- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- 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.

Maize:

- Maize crop is highly sensitive to waterlogged conditions during seedling stage. Hence, drain out excess water from the field as early as possible.
- After cessation of rains apply booster dose of fertilizer.
- Weeds may be controlled after rainfall.
- 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. Due to water logging condition stem rot may be found, then farmers should apply carbendazim @ 2g/ltr water.

VEGETABLES: Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythine cover in view of heavy rainfall activity.

- Due to pastrain, 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.
- If incidence of Damping off is noticed in Tomato, Brinjal, Chilli nurseries, drench nursery bed with Copper-Oxy-Chloride @ 3 g per liter of water
- 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.
- 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.

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.-428
Date- 18/08/2023

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 12mm& district received average 12mm rainfall during the last week. The mean daily maximum and minimum temperature was **33.7°C (+1.8°C from normal)** and **25.6°C (+1.5°C from normal)**, respectively. Mean relative humidity of the district was around 76-80%.

Forecasted period: Today(8.30IST) to 23th August (8.30IST)2023

Weather advisory: *Moderate to isolated heavy rainfall is forecasted for today & very light to light rainfall is forecasted in between next 4 days in the block.* The day temperature will be 31-35°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-88% and 50-62% 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	18/08/2023	19/08/2023	20/08/2023	21/08/2023	22/08/2023
Rainfall(mm)	36	7	2	1	4
T-Max(°C)	31	32	35	34	34
T-Min(°C)	25	26	26	26	27
Cloud Cover(octa)	7	4	6	8	8
RH Max (%)	88	87	80	79	82
RH Min (%)	62	52	53	51	50
Wind Speed (Kmph)	11	12	8	9	9
Wind Direction (deg)	165	158	206	208	225

Agro met Advisory

General advisory: *Farmers should drain out excess water from vegetable and rice field near As relative humidity was 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. They may pause all agricultural activities based on rainfall forecast especially today and tomorrow and resume it after tomorrow.*

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.
- Intermittent dry and wet weather condition, is favorable 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.
- 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 will be found after the rain water recedes, apply Lambda cyhalothrin 5% EC @ 100 ml/acre.
- 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.

Maize: Maize crop is highly sensitive to waterlogged conditions during seedling stage. Hence, drain out excess water from the field as early as possible.

- After cessation of rains apply booster dose of fertilizer.
- Weeds may be controlled after rainfall.
- 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. Due to water logging condition stem rot may be found, then farmers should apply carbendazim @ 2g/ltr water.

VEGETABLES: *Drain out excess water from vegetable field and nursery and cover the vegetable seedling with polythine cover in view of heavy rainfall activity.*

- Due to pastrain, 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	https://icar-nrri.in/agromate/	
2	Agrimet division, IMD, Pune	https://imdagrimet.gov.in/imdproject/AGIndex.php	

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