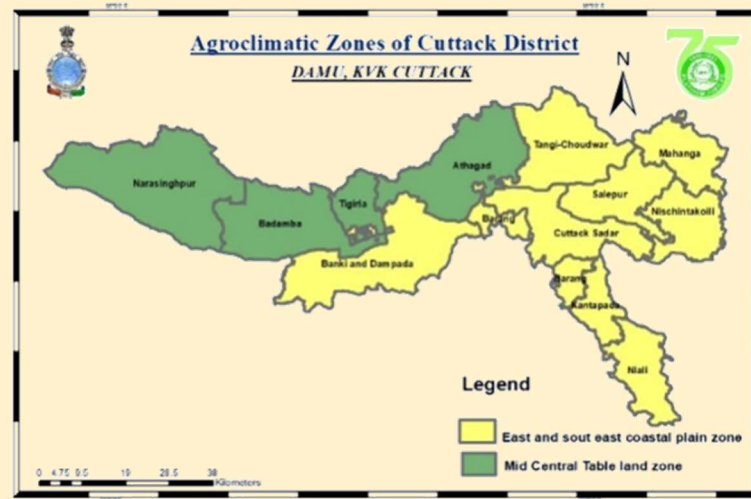




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday, 20th August, 2024
 (For the period 20th to 24th August,
 2024)*



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





STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<div style="text-align: center;"> <p>MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p>STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 18 JULY TO 14 AUGUST 2024</p> <p>SPI VALUES</p> <ul style="list-style-type: none"> 0.0 to 0.99 (Extremely Dry) 5% Prob. 91% Area 1.00 to 1.99 (Very Dry) 21% Prob. 81% Area 2.00 to 2.99 (Dry) 37% Prob. 69% Area 3.00 to 3.99 (Moderately Dry) 51% Prob. 56% Area 4.00 to 4.99 (Near Normal) 61% Prob. 46% Area 5.00 to 5.99 (Moderately Wet) 67% Prob. 39% Area 6.00 to 6.99 (Very Wet) 71% Prob. 33% Area 7.00 to 7.99 (Extremely Wet) 73% Prob. 28% Area 8.00 to 8.99 (Extremely Wet) 74% Prob. 24% Area 9.00 to 9.99 (Extremely Wet) 75% Prob. 20% Area </div>	<div style="text-align: center;"> <p>NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 33 (12.08.2024 to 18.08.2024) over Agricultural region</p> <p>Odisha</p> <ul style="list-style-type: none"> -0.9999 - 0 0 - 0.05 0.05 - 0.1 0.1 - 0.15 0.15 - 0.2 0.2 - 0.25 0.25 - 0.3 0.3 - 0.35 0.35 - 0.4 0.4 - 0.45 0.45 - 0.5 0.5 - 0.55 0.55 - 0.6 > 0.6 <p>Bare soil, rocks clouds, rain, snow, etc.</p> <p>Moderate</p> <p>Good</p> <p>Very good</p> <p>Agriculture vigor is moderate at isolated places of the state.</p> </div>
<p><i>As per SPI value (cumulative 4weeks -18 July to 14 August 2024), mildly wet condition was there in Cuttack district.</i></p>	<p><i>According to NDVI map (12.08.2024 to 18.08.2024) the agriculture vigor was light to moderate over Athagad, Badamba, banki, Dampada, Narasinghpur and Tigiria and very light to light over other blocks of Cuttack district.</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



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-522
Date- 22/08/2024

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (25-31 August 2024) after 5 days				
	Parameter	Actual	Normal	Departure (%)	Category
Odisha	Rainfall (mm)	10.5	9.7	7.86	Normal
	Parameter	Actual	Normal	Anomaly	Category
	Maximum temperature (°C)	31.7	31.2	0.51	Normal
	Minimum temperature (°C)	24.4	24.2	0.25	Normal

***Agromet Advisory based upon subsequent week extended range forecast:-As there will be normal rainfall in the subsequent week (25-31 August,2024) 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). Farmers should pause irrigation, fertilizer/pesticide application, for next 5 days based upon rainfall forecast.**













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



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				Stalk rot
3	Jute	30-50days		Stem rot
				Indigo caterpillar
4	Brinjal, tomoto, 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.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 10 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weather advisory: *Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3days in the block.* The day temperature will be 28-33°C and night temperature will be 23-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-89% and 50-69% respectively. **There will be partly cloudy to overcastsky for next 5days.**

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall (mm)	35	26	14	29	40
T-Max (°C)	33	31	30	33	28
T-Min (°C)	26	26	25	25	23
Cloud Cover (octa)	8	8	8	8	8
RH Max (%)	83	83	87	88	89
RH Min (%)	50	60	62	58	69
Wind Speed (kmph)	13	10	10	10	9
Wind Direction (deg)	203	238	236	248	212

Agromet Advisory

General advisory: *Famers 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 slightly pause all agricultural activities for next 5days based on rainfall forecast.*

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.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 03 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weatheradvisory: *Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3days in the block.* The daytemperature will be 27-33°Cand night temperature will be 22-25°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 83-89% and 52-72% respectively. **There will be partly cloudy to overcastsky fornext 5 days.**

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	34	26	13	28	38
T-Max(°C)	33	30	30	33	27
T-Min(°C)	25	25	25	24	22
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	84	83	86	88	89
RH Min (%)	52	62	62	59	72
Wind Speed (Kmph)	11	9	8	10	8
Wind Direction (deg)	204	216	238	248	214

Agromet Advisory

General advisory: *Famers 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 slightly pause all agricultural activities for next 5days based on rainfall forecast.*

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 at1:1 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,applyLambdacyhalothrin 5% EC @ 100 ml/acre.*
- *Temperature below 28deg c and continuous rainfall lead to infestation of stem borer at tillering stageof rice, to control this applyAzadirachtin 0.15% EC @ 800 ml/acre orCartap 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 Trifloxystrobin25% + 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.-522
 Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR BANKI

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

The district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weatheradvisory:: Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3days in the block. The day temperature will be 27-33°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-87% and 50-70% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	35	26	14	29	40
T-Max(°C)	33	31	30	33	27
T-Min(°C)	25	25	25	24	23
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	83	84	86	87	87
RH Min (%)	50	58	62	57	70
Wind Speed (Kmph)	14	11	10	11	10
Wind Direction (deg)	203	212	238	244	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 slightly pause all agricultural activities for next 5days based on rainfall forecast.

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/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: 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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Bulletin No.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 14 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weather Advisory: Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3 days in the block. The day temperature will be 27-33°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-87% and 50-70% 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	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	35	26	14	29	40
T-Max(°C)	33	31	30	33	27
T-Min(°C)	25	25	25	24	23
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	83	84	86	87	87
RH Min (%)	50	58	62	57	70
Wind Speed (Kmph)	14	11	10	11	11
Wind Direction (deg)	203	212	238	244	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 slightly pause all agricultural activities for next 5 days based on rainfall forecast.

Kharif Rice:

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- 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 @ 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.



DrRanjan Kumar Mohanta
(Nodal officer)

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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.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 14 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3 days in the block. The day temperature will be 29-33°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-87% and 48-60% 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)				
	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	32	22	11	27	38
T-Max(°C)	33	31	30	33	29
T-Min(°C)	27	26	26	25	24
Cloud Cover	8	8	8	8	8
RH Max (%)	75	79	81	84	87
RH Min (%)	48	53	56	50	60
Wind Speed (Kmph)	18	15	15	15	16
Wind Direction (deg)	203	207	225	244	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 slightly pause all agricultural activities for next 5 days based on rainfall forecast.

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 @ 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 Ranjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 12 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weather advisory: *Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3days in the block.* The day temperature will be 28-33°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-88% and 49-67% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	33	25	13	28	39
T-Max(°C)	32	31	30	33	28
T-Min(°C)	27	26	26	25	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	76	80	82	86	88
RH Min (%)	49	54	57	51	67
Wind Speed (Kmph)	17	13	14	13	14
Wind Direction (deg)	203	243	244	248	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 slightly pause all agricultural activities for next 5days based on rainfall forecast.*

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: *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.



DrRanjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 26 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3 days in the block. The day temperature will be 30-33°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-86% and 47-58% 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)				
	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	34	24	12	26	37
T-Max(°C)	33	32	31	32	30
T-Min(°C)	27	26	26	25	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	73	80	82	83	86
RH Min (%)	47	52	54	50	58
Wind Speed (Kmph)	20	18	16	16	18
Wind Direction (deg)	203	212	225	243	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 slightly pause all agricultural activities for next 5 days based on rainfall forecast.

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 @ 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 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 Ranjan Kumar Mohanta
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Bulletin No.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 18 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3days in the block. The day temperature will be and it will be 28-33°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-86% and 48-66% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Mahanga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	32	22	11	27	38
T-Max(°C)	32	32	31	33	28
T-Min(°C)	27	26	26	25	24
Cloud Cover(octal)	8	8	8	8	8
RH Max (%)	76	78	82	85	86
RH Min (%)	48	54	53	50	66
Wind Speed (Kmph)	18	16	17	16	17
Wind Direction (deg)	203	238	236	248	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 slightly pause all agricultural activities for next 5days based on rainfall forecast.

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: **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.



DrRanjan Kumar Mohanta
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Bulletin No.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 02 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3 days in the block. The day temperature will be 26-33°C and night temperature will be 22-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-92% and 53-74% 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)				
	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	35	26	14	29	40
T-Max(°C)	32	30	30	33	26
T-Min(°C)	25	24	24	23	22
Cloud Cover(/octa)	8	8	8	8	8
RH Max (%)	83	83	85	90	92
RH Min (%)	53	62	57	59	74
Wind Speed (Kmph)	7	6	6	8	5
Wind Direction (deg)	214	236	243	252	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 slightly pause all agricultural activities for next 5 days based on rainfall forecast.

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 @ 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 Ranjan Kumar Mohanta
(Nodal officer)

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**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.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 14 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3 days in the block. The day temperature will be 30-33°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-85% and 48-60% 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	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	35	26	14	29	40
T-Max(°C)	33	32	30	32	30
T-Min(°C)	27	26	26	25	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	74	80	82	82	85
RH Min (%)	48	53	56	52	60
Wind Speed(Kmph)	22	21	18	18	19
Wind Direction(deg)	203	212	238	243	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 slightly pause all agricultural activities for next 5 days based on rainfall forecast.

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 litre 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.



**Dr Ranjan Kumar Mohanta
(Nodal officer)**

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Bulletin No.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 16 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3 days in the block. The day temperature will be 29-33°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-86% and 48-62% 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)				
	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	34	25	13	28	39
T-Max(°C)	32	32	31	33	29
T-Min(°C)	27	26	26	25	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	75	78	81	84	86
RH Min (%)	48	52	52	49	62
Wind Speed (Kmph)	19	17	17	16	18
Wind Direction (deg)	203	225	236	248	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 slightly pause all agricultural activities for next 5 days based on rainfall forecast.

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 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 Ranjan Kumar Mohanta
(Nodal officer)

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Bulletin No.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 15 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3days in the block. The day temperature will be 28-33°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-86% and 48-63% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	34	25	13	28	39
T-Max(°C)	32	32	31	33	28
T-Min(°C)	27	26	26	25	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	75	78	82	84	86
RH Min (%)	48	52	53	49	63
Wind Speed (Kmph)	19	16	16	16	17
Wind Direction (deg)	203	225	236	248	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 slightly pause all agricultural activities for next 5days based on rainfall forecast.

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 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.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 14 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3days in the block. The day temperature will be 32-35°C and night temperature will be 28-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-82% and 54-64% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	34	24	12	29	40
T-Max(°C)	35	34	34	34	32
T-Min(°C)	30	29	29	28	28
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	76	79	80	80	82
RH Min (%)	54	57	57	55	64
Wind Speed (Kmph)	25	25	22	22	23
Wind Direction (deg)	204	212	248	238	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 slightly pause all agricultural activities for next 5days based on rainfall forecast.

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.



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Bulletin No.-522
Date- 22/08/2024

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 08 mm and district received average 12 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32.62°C (+0.82 from normal) and 24.64°C (+0.54 from normal), respectively. The mean relative humidity was 88-92%.

Forecasted period: Today(8.30IST) to 25th August(8.30IST)2024

Weather advisory: Moderate with isolated heavy rainfall is forecasted for today and Saturday and moderate rainfall is forecasted for other 3 days in the block. The day temperature will be 27-33°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-90% and 52-71% 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)				
	20/08/2024	21/08/2024	22/08/2024	23/08/2024	24/08/2024
Rainfall(mm)	35	26	14	29	40
T-Max(°C)	33	31	30	33	27
T-Min(°C)	25	25	25	24	23
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	84	84	87	88	90
RH Min (%)	52	62	63	60	71
Wind Speed (Kmph)	12	9	9	10	8
Wind Direction (deg)	204	236	236	248	212

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 slightly pause all agricultural activities for next 5 days based on rainfall forecast.

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 @ 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 Ranjan Kumar Mohanta
(Nodal officer)

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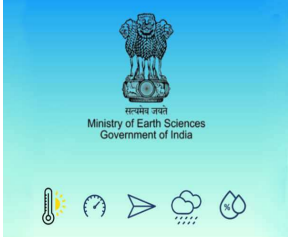
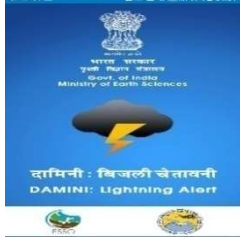


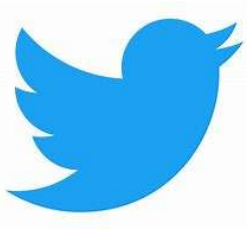






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Bulletin No.-522
Date- 22/08/2024

				
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- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.
<https://play.google.com/store/apps/details?id=com.aas.meghdoot>
- Kindly install and use **“Damini mobile App”** for location specific for lightening forecast and warnings.
<https://play.google.com/store/apps/details?id=com.lightening.live.damini>
- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

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



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