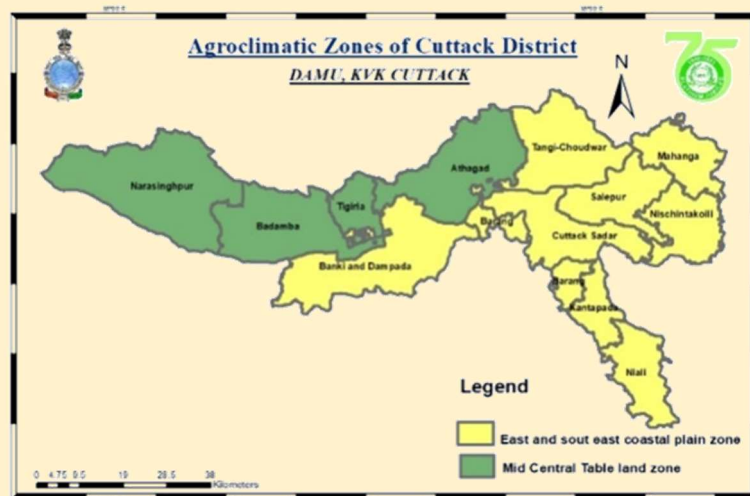




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday 12th August, 2022
(For the period 08th to 12th
August, 2022)*



*Issued by
District Agromet Unit,
KrishiVigyan Kendra Cuttack*



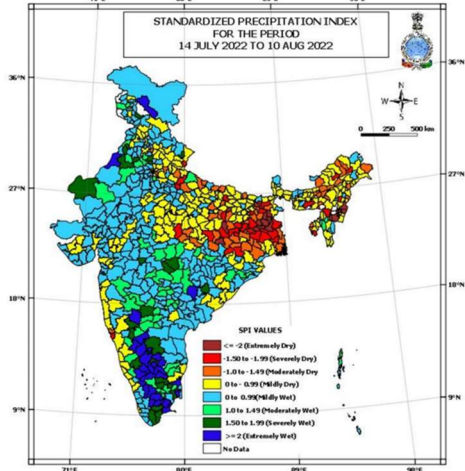
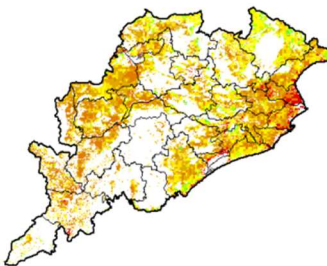


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Bulletin No.-321
Date- 12/08/2022

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 14th July to 10th August 2022</p> <p style="text-align: center;">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p>  <p style="text-align: center;">STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 14 JULY 2022 TO 10 AUG 2022</p> <p style="text-align: center;">SPI VALUES</p> <ul style="list-style-type: none"> < -2 (Extremely Dry) -1.50 to -1.99 (Severely Dry) -1.0 to -1.49 (Moderately Dry) 0 to -0.99 (Slightly Dry) 0 to 0.99 (Slightly Wet) 1.0 to 1.49 (Moderately Wet) 1.50 to 1.99 (Severely Wet) >= 2 (Extremely Wet) No Data 	<p style="text-align: center;">NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 30 (23.07.2022 to 29.07.2022) over Agricultural region</p> <p style="text-align: center;">Odisha</p>  <p style="text-align: center;">Agriculture vigour is moderate over isolated pockets of the state.</p>
<p>As per SPI value (cumulative 4weeks -14July 2022 – 10August 2022), mildly wet condition was there in Cuttack district.</p>	<p>According to NDVI map (23.07.2022 to 29.07.2022) the agriculture vigor was very light to light over most places of Cuttack district and light to moderate over isolated places of Badamba, Narasinghpur only .</p>

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

Dr Sujata Sethy
(Nodal officer)



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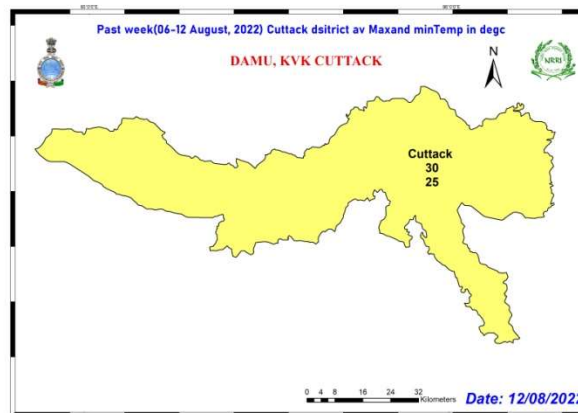
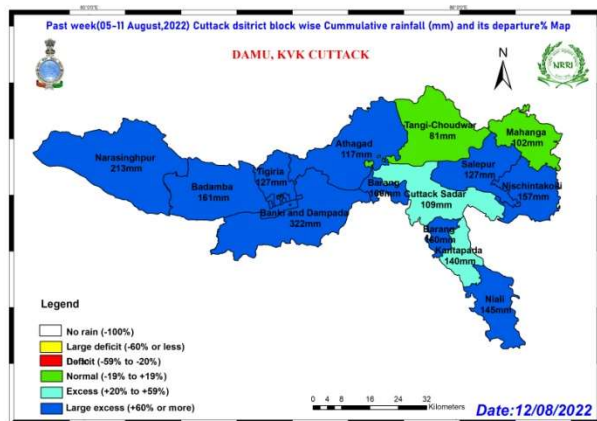


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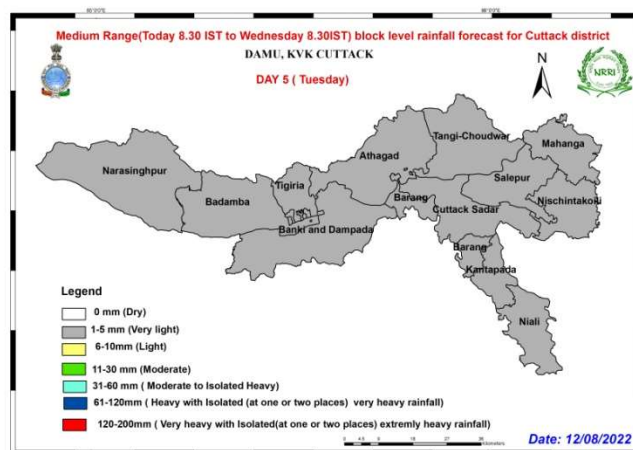
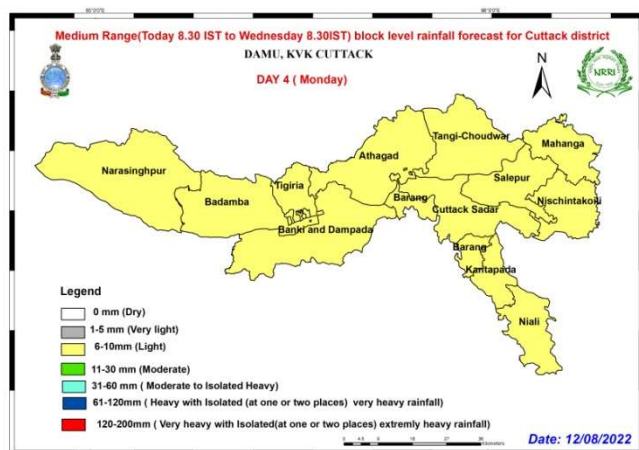
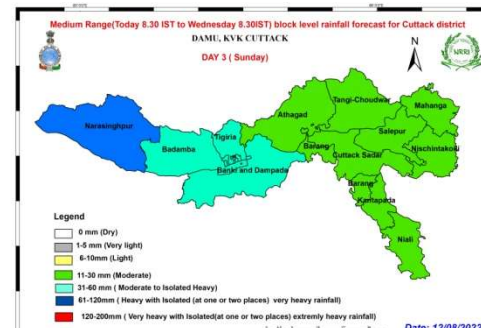
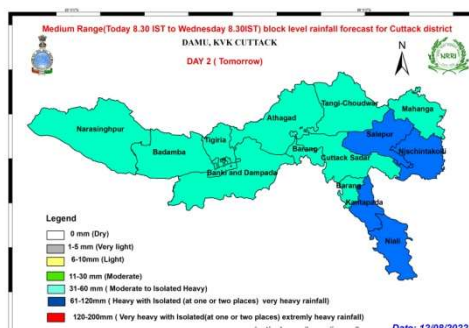
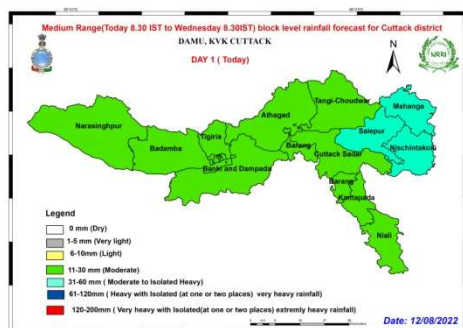


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Date- 12/08/2022

Past week (05-11 August, 2022) cumulative rainfall departure% from normal and (06-12 August) average maximum and minimum temperature for Cuttack district



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



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Bulletin No.-321
Date- 12/08/2022

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (17-23 August 2022)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	15.18	Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	0.05	Normal
	Minimum temperature	0.26	Normal

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

Updated Long range forecast for the 2021 South-west Monsoon seasonal rainfall and Monthly Rainfall
Forecast for August 2022

- Southwest monsoon seasonal (June to September) rainfall over the country **as a whole is most likely to be normal (96 to 104 % of Long Period Average (LPA))**.
- Quantitatively, the monsoon seasonal (June to September) rainfall over the country as a whole is likely to be 103% of the Long Period Average (LPA) with a model error of $\pm 4\%$. The LPA of the seasonal rainfall over the country as a whole based on data of 1971-2020 is 87 cm.
- As per probabilistic forecast of rainfall, there will be **below normal rainfall during Monsoon season and below normal rainfall during August month** in Odisha condition.
- *Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.*

Tercile probability rainfall forecast for 2022 southwest monsoon season

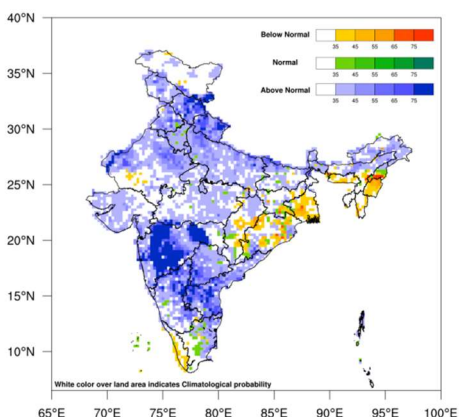


Fig.1. Updated Probability forecast of tercile categories* (below normal, normal, and above normal) of rainfall over India during monsoon season (June -September), 2022. The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within the land area represent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

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

probability rainfall forecast for 2022 AUG

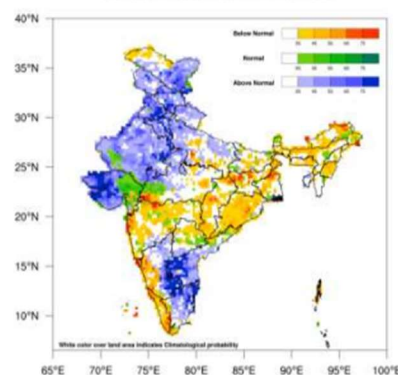


Fig.2. Probability forecast of tercile categories* (below normal, normal, and above normal) of rainfall over India during August, 2022. The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within the land area represent climatological probabilities. (Tercile categories have equal climatological probabilities, of 33.33% each).

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

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

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

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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 17mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August (8.30IST)2022

Weather advisory: *Moderate with isolate heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for today and Sunday and very light to light rainfall is forecasted for other 2 days in the block.* The day temperature will be 28-32°C and night temperature will be 23-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-92% and 60-70% 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	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall (mm)	18	45	30	10	4
T-Max (°C)	31	32	31	28	30
T-Min (°C)	26	25	24	23	25
Cloud Cover (octa)	8	8	8	8	8
RH Max (%)	84	90	92	86	88
RH Min (%)	61	60	66	70	60
Wind Speed (kmph)	12	14	14	12	10
Wind Direction (deg)	288	297	216	208	259

Agromet Advisory

General advisory: *Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.*

Kharif Rice:

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. **Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.**

Weather based Disease and pest

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

Maize: After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G 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: Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

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

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

Dr Sujata Sathy
(Nodal officer)



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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 23mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August (8.30IST)2022

Weather advisory: *Moderate with isolate heavy rainfall is forecasted for tomorrow and Sunday and moderate rainfall is forecasted for today and very light to light rainfall is forecasted for other 2 days in the block.* The day temperature will be 26-31°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-94% and 58-75% 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	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	20	35	55	9	5
T-Max(°C)	31	31	29	26	30
T-Min(°C)	25	24	23	23	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	84	90	94	92	89
RH Min (%)	58	61	70	75	63
Wind Speed (Kmph)	11	14	14	10	9
Wind Direction (deg)	270	293	210	207	285

Agromet Advisory

General advisory: *Farmers should stop fertiliser and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.*

Kharif Rice:

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. **Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.**

Weather based Disease and pest

- **Temperature below 28°C and continuous rainfall lead to infestation of stem borer at tillering stage of rice, to control this apply Azadirachtin 0.15% EC @ 800 ml/acre or Cartap hydrochloride 4G @ 10kg/acre. In early transplanted/direct sown crop, chance for leaf folder infestation due to the prevalence of cloudy weather. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days.**
- **If swarming caterpillar found after the rain water recedes, apply chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour.**
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VEGETABLES: Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August (8.30IST)2022

Weather advisory: Moderate with isolate heavy rainfall is forecasted for tomorrow and Sunday and moderate rainfall is forecasted for today and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 27-32°C and night temperature will be 23-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-92% and 57-72% 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	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	12	36	58	8	5
T-Max(°C)	32	31	30	27	30
T-Min(°C)	26	24	24	23	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	84	89	92	88	87
RH Min (%)	57	59	68	72	59
Wind Speed (Kmph)	11	14	15	11	10
Wind Direction (deg)	270	293	216	207	270

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

Weather based Disease and pest

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

Maize: After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. Celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G 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: Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

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

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 46mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August (8.30IST)2022

Weather Advisory:: Moderate with isolate heavy rainfall is forecasted for tomorrow and Sunday and moderate rainfall is forecasted for today and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 27-31°C and night temperature will be 23-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-92% and 58-72% 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	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	12	42	50	8	5
T-Max(°C)	31	31	30	27	30
T-Min(°C)	26	25	24	23	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	84	89	92	87	87
RH Min (%)	58	59	68	72	59
Wind Speed (Kmph)	11	14	15	11	10
Wind Direction (deg)	270	293	216	207	270

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

Weather based Disease and pest

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

Maize: After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G 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: Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

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

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 23mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August(8.30IST)2022

Weatheradvisory: Moderate with isolate heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for today and Sunday and very light to light rainfall iss forecasted for other2days in the block. The day temperature will be 29-31°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-89% and 55-64% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Baranga(VAID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	11	47	29	7	5
T-Max(°C)	31	31	31	29	31
T-Min(°C)	26	25	25	24	25
Cloud Cover	8	8	8	8	8
RH Max (%)	83	89	89	83	84
RH Min (%)	59	60	64	63	55
Wind Speed (Kmph)	12	13	16	15	13
Wind Direction (deg)	270	297	207	212	248

Agromet Advisory

General advisory: Farmers should stop fertiliser and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

In direct seeded rice go for beushaning and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

Weather based Disease and pest

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

Maize: After 3-4 weeks of sowing go for top dressing of 35kg urea followed by earthing up. Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/ltr or Dimethoate @ 2ml/ltr or apply Carbofuran 3G 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: Due to forecast of rain, chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.

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

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 16mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17thAugust(8.30IST)2022

Weather advisory: *Moderate with isolate heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for today and Sunday and very light to light rainfall is forecasted for other 2 days in the block.* The day temperature will be 29-31°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-89% and 56-64% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	18	52	28	6	5
T-Max(°C)	31	31	31	29	31
T-Min(°C)	26	25	25	24	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	83	89	89	83	85
RH Min (%)	59	60	62	64	56
Wind Speed (Kmph)	13	14	15	15	13
Wind Direction (deg)	283	315	207	212	259

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

Weather based Disease and pest

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

Sugarcane:

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

VEGETABLES:

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

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

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

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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 20mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August (8.30IST)2022

Weather advisory: Moderate with isolate heavy to very heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for today and Sunday and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 29-32°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-88% and 53-63% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	20	61	27	6	5
T-Max(°C)	32	30	30	29	31
T-Min(°C)	26	25	25	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	84	88	87	83	83
RH Min (%)	56	61	63	62	53
Wind Speed (Kmph)	12	13	17	16	14
Wind Direction (deg)	270	293	207	212	244

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

Weather based Disease and pest

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

Sugarcane:

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

VEGETABLES:

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

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

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

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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 15mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August (8.30IST)2022

Weather advisory: *Moderate with isolate heavy rainfall is forecasted for today and tomorrow and moderate rainfall is forecasted for Sunday and very light to light rainfall is forecasted for other 2 days in the block.* The day temperature will be and it will be 29-31°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-89% and 54-63% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	31	58	25	7	5
T-Max(°C)	31	31	31	29	31
T-Min(°C)	26	25	25	25	25
Cloud Cover(octal)	8	8	8	8	8
RH Max (%)	83	88	89	83	83
RH Min (%)	59	59	59	63	54
Wind Speed (Kmph)	14	12	17	17	15
Wind Direction (deg)	270	302	205	212	248

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

Weather based Disease and pest

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

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

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

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 30mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August (8.30IST)2022

Weather advisory: Moderate with isolate heavy to very heavy rainfall is forecasted for tomorrow and Sunday and moderate rainfall is forecasted for today and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 26-31°C and night temperature will be 22-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-96% and 59-78% 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	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	21	32	61	8	5
T-Max(°C)	31	31	29	26	29
T-Min(°C)	25	24	23	22	23
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	85	92	96	95	91
RH Min (%)	59	63	71	78	66
Wind Speed (Kmph)	10	13	11	7	7
Wind Direction (deg)	270	293	203	204	259

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

Weather based Disease and pest

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

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

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

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

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 21mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August (8.30IST)2022

Weather advisory: *Moderate with isolate heavy to very heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for today and Sunday and very light to light rainfall is forecasted for other 2 days in the block.* The day temperature will be 29-32°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 53-64% 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	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	20	63	29	7	5
T-Max(°C)	32	30	30	29	31
T-Min(°C)	26	25	25	25	26
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	83	87	86	82	82
RH Min (%)	55	61	64	63	53
Wind Speed(Kmph)	12	13	18	18	16
Wind Direction(deg)	257	293	207	238	236

Agromet Advisory

General advisory: Farmers should stop fertiliser and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

In direct seeded rice go for beushaning and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

Weather based Disease and pest

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

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

VEGETABLES:

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

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

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-321
Date- 12/08/2022

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

The block received average 23mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August (8.30IST)2022

Weather advisory: *Moderate with isolate heavy to very heavy rainfall is forecasted for today and tomorrow and moderate rainfall is forecasted for Sunday and very light to light rainfall is forecasted for other 2 days in the block.* The day temperature will be 29-31°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-89% and 54-63% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	32	64	26	6	4
T-Max(°C)	31	31	31	29	31
T-Min(°C)	26	25	25	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	84	88	89	83	83
RH Min (%)	59	60	60	63	54
Wind Speed (Kmph)	13	13	17	17	15
Wind Direction (deg)	270	294	203	212	244

Agromet Advisory

General advisory: *Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.*

Kharif Rice:

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

Weather based Disease and pest

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

Sugarcane:

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

VEGETABLES:

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

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

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

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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 18mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August (8.30IST)2022

Weather advisory: Moderate with isolate heavy to very heavy rainfall is forecasted for today and tomorrow and moderate rainfall is forecasted for Sunday and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 29-31°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-89% and 54-63% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	31	63	24	6	5
T-Max(°C)	31	31	31	29	31
T-Min(°C)	26	25	25	25	26
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	83	88	89	83	83
RH Min (%)	59	60	60	63	54
Wind Speed (Kmph)	13	13	17	17	14
Wind Direction (deg)	270	297	203	212	248

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

Weather based Disease and pest

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

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

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

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 12mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August (8.30IST)2022

Weather advisory: Moderate with isolate heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for today and Sunday and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 31-34°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-87% and 58-68% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	23	48	23	6	5
T-Max(°C)	33	34	33	31	33
T-Min(°C)	28	27	27	28	28
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	83	87	87	80	81
RH Min (%)	60	65	65	68	58
Wind Speed (Kmph)	14	15	22	24	19
Wind Direction (deg)	251	294	207	225	244

Agromet Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

Weather based Disease and pest

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

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

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

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

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

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Bulletin No.-321
Date- 12/08/2022

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 18mm and district received average 22mm rainfall during the last week. The mean daily maximum and minimum temperature was 30.5°C (-2.02) and 24°C (+0.68), respectively. Mean relative humidity was around 82-91%.

Forecasted period: Today(8.30IST) to 17th August (8.30IST)2022

Weather advisory:: Moderate with isolate heavy to very heavy rainfall is forecasted for tomorrow and Sunday and moderate rainfall is forecasted for today and very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 27-32°C and night temperature will be 23-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-93% and 60-72% 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	12/08/2022	13/08/2022	14/08/2022	15/08/2022	16/08/2022
Rainfall(mm)	4	34	37	9	5
T-Max(°C)	31	32	30	27	30
T-Min(°C)	26	25	24	23	24
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	84	90	93	90	89
RH Min (%)	60	60	67	72	61
Wind Speed (Kmph)	11	14	14	11	10
Wind Direction (deg)	283	294	216	207	279

Agro met Advisory

General advisory: Farmers should stop fertilizer and pesticide application and irrigation activities in rainy days and should drain out excess water from vegetable and rice nurseries and should complete their weeding and transplanting of paddy in between this week as moderate to heavy amount of rain is forecasted for the block in between upcoming 5 days. As humidity will likely to be above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, blast, foot rot and swarming caterpillar, leaf folder, stem borer in rice.

Kharif Rice:

In direct seeded rice go for weeding and apply urea @ 35kg/acre. Keep the field saturated and do not allow water to go out of the field for 2-3 days. Transplanting should be completed by first fortnight of this month @ 2 - 3 seedlings/hill at a spacing of 20 x 15 cm and a thin layer of water (1 - 2 cm) should be maintained in the main field up to 10 days after transplanting. To reduce incidence of brown plant hopper skip 1 row after 8-10 rows during transplanting. Problem of weeds may aggravate after transplanting, apply Bensulfuron methyl 0.6% + Pretilachlor 6% GR with sand mix at 1:1 ratio @ 4 kg/acre within 3-7 days after transplanting for controlling weeds.

Weather based Disease and pest

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

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

- **Brinjal, tomato and chilli** seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
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Bulletin No.-321
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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://imdagrmet.gov.in/imdproject/AGIndex.php	

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