

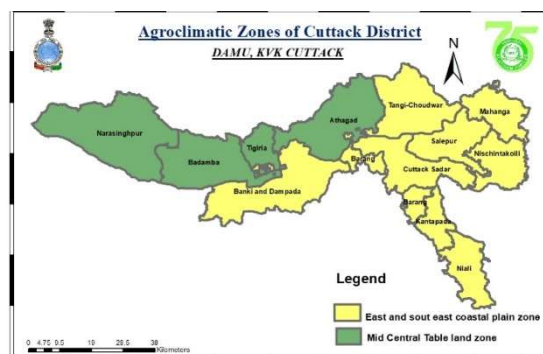


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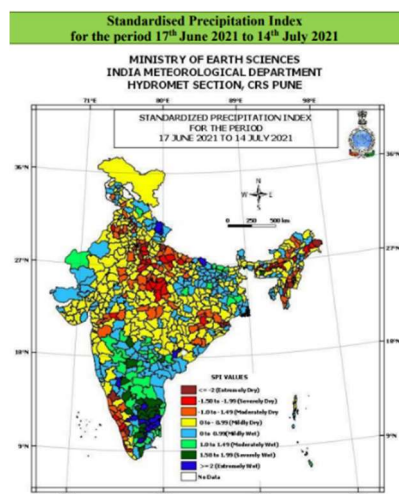


Bulletin No.-212
Date- 20/07/2021

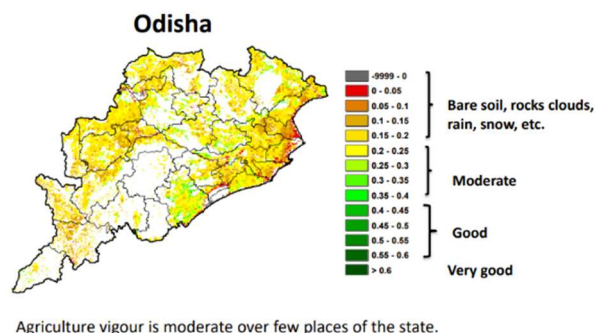
AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARD PRECIPITATION INDEX AND NDVI MAP



NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 28
(09.07.2021 to 15.07.2021) over Agricultural region



Agriculture vigour is moderate over few places of the state.

As per SPI value (cumulative 4weeks -17 June 2021 to 14July 2021), Mildly drycondition was there in Cuttack district.

According to NDVI map (09.07.2021 to 15.07.2021) the agriculture vigor was light over mostof the blocks and very light over some part of Athagad, Banki Dampara and Niali blocks light to moderate over some part of Badamba, Narasinghpur blocks of Cuttack district.

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 rainfall	66-115 mm
	Very heavy rainfall	116-205 mm
	Extremely heavy rainfall	>206 mm

Dr Sujata Sethy
(Nodal officer)



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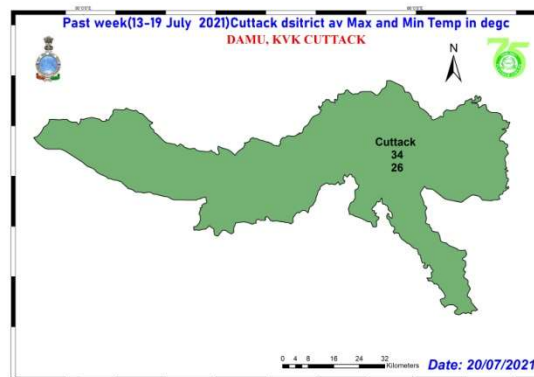
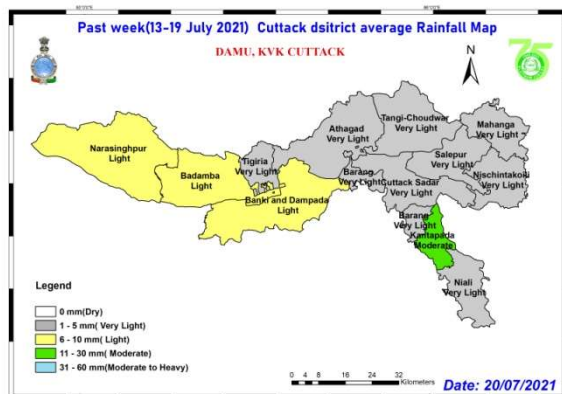


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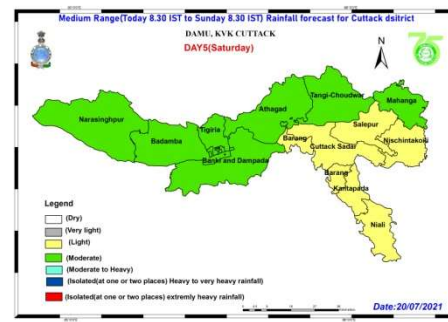
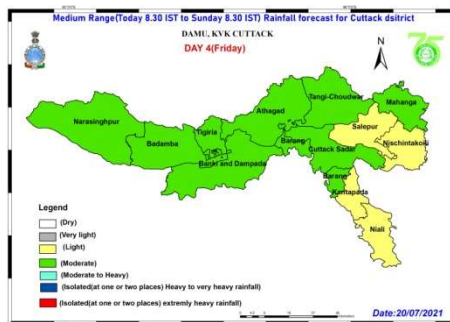
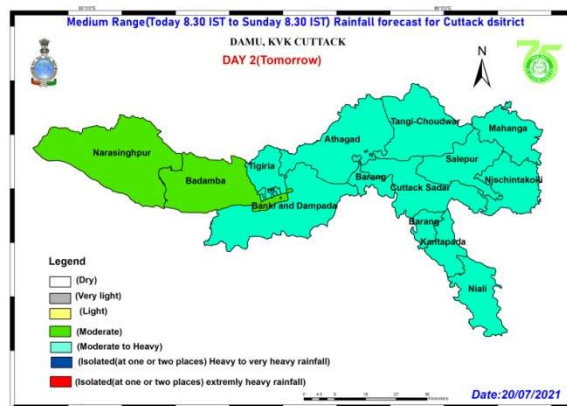
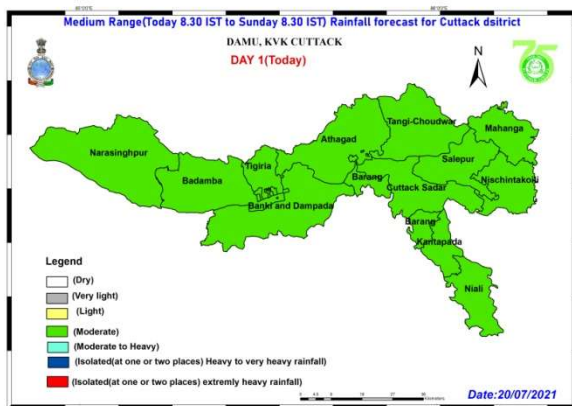


Bulletin No.-212
Date- 20/07/2021

Past week (13-19 July 2021) Cuttack district Rainfall and Temperature map



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



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Bulletin No.-212
Date- 20/07/2021

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

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

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Bulletin No.-212
Date- 20/07/2021

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (25 th July to 31 st July 2021)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	0.48	Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	0.78	Normal
	Minimum temperature	0.31	Normal

General Agromet Advisory:- There will be **normal rainfall in subsequent week after 5 days (25 July-31 July 2021) in Odisha condition**, and also there was normal rainfall in Cuttack district in between 01st June to 19th July, and also there will be **moderate to heavy rainfall is forecasted for upcoming 5 days** so farmers are advised to **go for transplanting activity as there will be above normal rainfall condition in subsequent week.**

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

- *This year, Southwest Monsoon has set in over Kerala today, the 3rd June, 2021, against the normal date of 1st June.*
- 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)). (**Fig.1.**)
- Quantitatively, the monsoon seasonal (June to September) rainfall over the country as a whole is likely to be **101% of the Long Period Average (LPA) with a model error of $\pm 4\%$** . The LPA of the season rainfall over the country as a whole for the period 1961-2010 is 88 cm.
- The southwest monsoon seasonal (June to September) rainfall over the monsoon core zone, which consists of most of the rainfed agriculture regions in the country is most likely to be **Above Normal (>106% of LPA)**.
- **Monthly rainfall for the July 2021 over the country as a whole is most likely to be normal (94 to 106 % of Long Period Average (LPA)). (Fig.2.)**
- *Hence Farmers should prepare the crop plan depending upon the land type, irrigation facility for transplanting of kharif rice.*

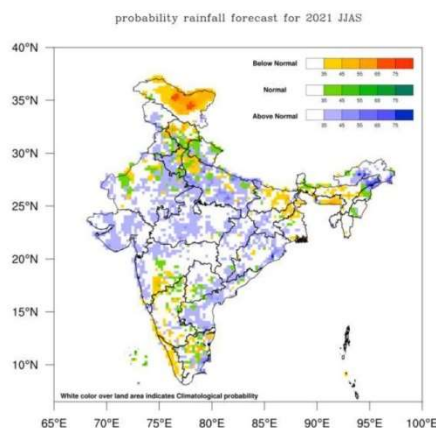


Fig.1. Updated Probability forecast of tercile categories* (below normal, normal and above normal) for the seasonal rainfall over India during the 2021 southwest monsoon season (June - September). The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within the land area represent climatological probabilities. The probabilities were derived using the MME forecast prepared from a group of coupled climate models. (*Tercile categories have equal climatological probabilities, of 33.33% each).

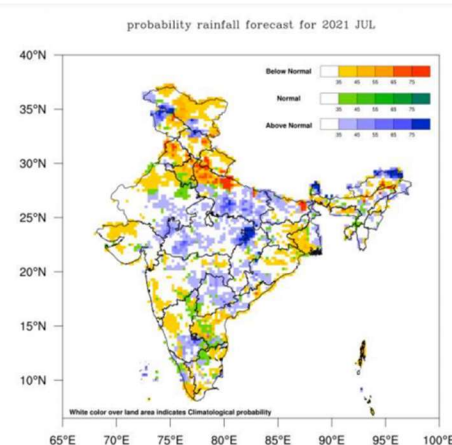


Fig.1. Probability forecast of tercile categories* (below normal, normal and above normal) for the rainfall over India during July 2021. The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within the land area represent climatological probabilities. The probabilities were derived using the MME forecast prepared from a group of coupled climate models. (*Tercile categories have equal climatological probabilities of 33.33% each).

Dr Sujata Sethy
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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 4mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: Isolated Heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 28-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-88% and 45-70% 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	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall (mm)	20	50	28	18	14
T-Max (°C)	34	28	29	32	34
T-Min (°C)	27	25	25	26	27
Cloud Cover (octa)	8	8	8	8	7
RH Max (%)	83	86	88	84	73
RH Min (%)	45	69	70	55	48
Wind Speed (kmph)	11	12	8	9	12
Wind Direction (deg)	293	270	283	244	270

Agromet Advisory

General advisory: In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha. So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of **BLB** and **Sheath blight** in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of **rice thrips** in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water.

Maize: Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/l or Dimethoate @ 2ml/l or apply Carbofuran 3G 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.

JUTE: Recent rain has aggravated **weed problem** in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control **stem rot of jute**, spray copper oxychloride @ 3-4 gram/litre of water. To control **indigo caterpillar** apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli** seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiomethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 8mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: Isolated Heavy rainfall is forecasted for Thursday and moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 28-34°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 71-89% and 44-71% 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	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	20	28	31	14	11
T-Max(°C)	34	28	29	32	34
T-Min(°C)	26	24	24	25	26
Cloud Cover(octa)	8	8	8	7	8
RH Max (%)	85	87	89	85	71
RH Min (%)	44	71	67	56	49
Wind Speed (Kmph)	10	11	7	9	12
Wind Direction (deg)	289	283	252	248	244

Agromet Advisory

General advisory: In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha. So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of **BLB** and **Sheath blight** in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of **rice thrips** in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water.

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

JUTE: Recent rain has aggravated **weed problem** in early sown crop. To control grass weeds, apply Quizalofop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control **stem rot of jute**, spray copper oxychloride @ 3-4 gram/litre of water. To control **indigo caterpillar** apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal , tomato and chilli** seedlings should be planted in the main field. Whenever **sucking pets** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for **Upward and downward leafcurl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam@0.4g/ litre of water.

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FORBANKI

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

The block received average 6mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: *Isolated Heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks.* The day temperature will be 27-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-87% and 43-71% 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	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	18	35	27	11	11
T-Max(°C)	34	27	28	33	34
T-Min(°C)	26	25	25	25	27
Cloud Cover(octa)	8	8	8	7	7
RH Max (%)	82	86	87	82	69
RH Min (%)	43	71	69	54	48
Wind Speed (Kmph)	10	11	8	10	13
Wind Direction (deg)	297	270	257	244	244

Agromet Advisory

General advisory: *In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha, So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.*

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of **BLB** and **Sheath blight** in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of **rice thrips** in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water.

Maize: **Stem fly** in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @1 ml/lit or Dimethoate @ 2ml/lit or apply Carbofuran 3G 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.

JUTE: Recent rain has aggravated **weed problem** in early sown crop. To control grass weeds, apply Quizalofop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control **stem rot of jute**, spray copper oxychloride @ 3-4 gram/litre of water. To control **indigo caterpillar** apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam@0.4g/ litre of water.

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week average weather condition

The district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather Advisory: Isolated Heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 27-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-87% and 43-72% 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	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	17	37	26	11	11
T-Max(°C)	34	27	28	33	34
T-Min(°C)	27	25	25	25	27
Cloud Cover(octa)	8	8	8	7	7
RH Max (%)	82	86	87	82	69
RH Min (%)	43	72	69	54	48
Wind Speed (Kmph)	10	11	8	10	13
Wind Direction (deg)	297	270	257	244	244

Agromet Advisory

General advisory: In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha. So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water.

Maize: Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/lit or Dimethoate @ 2ml/lit or apply Carbofuran 3G 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.

JUTE: Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quinalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- To control fruit and shoot borer in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam @ 0.4g/ litre of water.

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 2mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: Isolated Heavy rainfall is forecasted for tomorrow and light to moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 28-34°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-86% and 46-71% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	16	41	20	12	10
T-Max(°C)	34	28	29	33	33
T-Min(°C)	28	26	26	26	27
Cloud Cover	8	8	8	7	7
RH Max (%)	76	83	86	79	70
RH Min (%)	46	71	67	54	48
Wind Speed (Kmph)	11	13	9	12	14
Wind Direction (deg)	252	270	283	236	244

Agromet Advisory

General advisory: In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha. So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water.

Maize: Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/l or Dimethoate @ 2ml/l or apply Carbofuran 3G 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.

JUTE: Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- To control fruit and shoot borer in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam @ 0.4g/ litre of water.

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 3mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: Isolated Heavy rainfall is forecasted for tomorrow and light to moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 29-34°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-86% and 47-69% 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	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	15	45	22	11	8
T-Max(°C)	34	29	29	32	33
T-Min(°C)	28	26	26	26	27
Cloud Cover(octa)	8	8	8	7	7
RH Max (%)	77	83	86	82	73
RH Min (%)	47	66	69	54	48
Wind Speed (Kmph)	11	15	10	11	14
Wind Direction (deg)	270	270	283	236	248

Agromet Advisory

General advisory: In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha. So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water.

Sugarcane: The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the early shoot borer and top borer infestation in sugarcane spray Profenofos 400ml per acre @ 2ml/litre of water. Due to warm and humid condition there may be chance of smut disease, to control spray propiconazole @ 1 ml/l or tebuconazole @ 1 ml/l. In present weather condition for inter nodes borer- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre at 15 days intervals starting from 4th month onwards. Avoid the use of excessive nitrogenous fertilizers.

JUTE: Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenthiuron @ 1g./L of water.
- To control fruit and shoot borer in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam @ 0.4g/ litre of water.

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-212
Date- 20/07/2021

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 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: Isolated Heavy rainfall is forecasted for tomorrow and light to moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 29-34°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-85% and 47-71% 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	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	14	55	15	9	6
T-Max(°C)	34	29	30	34	33
T-Min(°C)	28	26	26	27	28
Cloud Cover(octa)	8	8	8	6	7
RH Max (%)	77	82	85	76	69
RH Min (%)	47	71	62	53	48
Wind Speed (Kmph)	11	14	10	14	14
Wind Direction (deg)	214	257	270	238	244

Agromet Advisory

General advisory: In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha. So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water.

Sugarcane: The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the early shoot borer and top borer infestation in sugarcane spray Profenofos 400ml per acre @ 2ml/lit of water. Due to warm and humid condition there may be chance of smut disease, to control spray propiconazole @ 1 ml/l or tebuconazole @ 1 ml/l. In present weather condition for inter nodes borer- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre at 15 days intervals starting from 4th month onwards. Avoid the use of excessive nitrogenous fertilizers.

JUTE: Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quazalofop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiomethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control fruit and shoot borer in okra, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam@0.4g/ litre of water.

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 1mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: Isolated Heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be and it will be 31-34°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-85% and 48-60% 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	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	16	54	20	11	14
T-Max(°C)	34	32	31	33	34
T-Min(°C)	28	26	26	26	27
Cloud Cover(octal)	8	8	8	7	7
RH Max (%)	75	80	85	82	75
RH Min (%)	48	60	60	57	50
Wind Speed (Kmph)	11	18	10	13	15
Wind Direction (deg)	279	270	257	236	244

Agromet Advisory

General advisory: In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha. So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water.

Sugarcane: The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the early shoot borer and top borer infestation in sugarcane spray Profenofos 400ml per acre @ 2ml/lit of water. Due to warm and humid condition there may be chance of smut disease, to control spray propiconazole @ 1 ml/l or tebuconazole @ 1 ml/l. In present weather condition for inter nodes borer- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre at 15 days intervals starting from 4th month onwards. Avoid the use of excessive nitrogenous fertilizers.

JUTE: Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl@2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiomethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control fruit and shoot borer in okra, Spray Bacillus thuringiensis 5% W.P @1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam@0.4g/ litre of water.

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

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 6mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: Isolated Heavy rainfall is forecasted for Thursday and moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 28-33°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-92% and 49-68% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	20	27	35	18	11
T-Max(°C)	33	28	29	31	33
T-Min(°C)	24	23	23	23	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	89	89	92	88	77
RH Min (%)	52	68	63	62	49
Wind Speed (Kmph)	7	9	6	7	10
Wind Direction (deg)	289	288	252	249	252

Agromet Advisory

General advisory: In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha. So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of **BLB** and **Sheath blight** in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of **rice thrips** in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water.

Maize: Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/lit or Dimethoate @ 2ml/lit or apply Carbofuran 3G 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.

JUTE: Recent rain has aggravated **weed problem** in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control **stem rot of jute**, spray copper oxychloride @ 3-4 gram/litre of water. To control **indigo caterpillar** apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control **fruit and shoot borer** in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 3mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: Isolated Heavy rainfall is forecasted for tomorrow and light to moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 30-35°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-84% and 47-69% 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	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	16	56	18	7	6
T-Max(°C)	35	30	31	34	34
T-Min(°C)	28	26	26	27	28
Cloud Cover(octa)	8	8	8	6	8
RH Max (%)	77	81	84	74	69
RH Min (%)	47	69	59	55	49
Wind Speed(Kmph)	12	14	10	16	15
Wind Direction(deg)	214	257	283	225	244

Agromet Advisory

General advisory: In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha. So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water.

Sugarcane: The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the early shoot borer and top borer infestation in sugarcane spray Profenofos 400ml per acre @ 2ml/litre of water. Due to warm and humid condition there may be chance of smut disease, to control spray propiconazole @ 1 ml/l or tebuconazole @ 1 ml/l. In present weather condition for Inter nodes borer- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre at 15 days intervals starting from 4th month onwards. Avoid the use of excessive nitrogenous fertilizers.

JUTE: Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control fruit and shoot borer in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam @ 0.4g/ litre of water.

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 2mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: Isolated Heavy rainfall is forecasted for tomorrow and light to moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 30-34°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-85% and 48-63% 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	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	18	53	20	8	6
T-Max(°C)	34	32	30	33	34
T-Min(°C)	28	26	26	26	27
Cloud Cover(octa)	8	8	8	7	7
RH Max (%)	76	81	85	81	75
RH Min (%)	48	62	63	55	49
Wind Speed (Kmph)	11	17	10	13	15
Wind Direction (deg)	279	257	270	236	244

Agromet Advisory

General advisory: In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha. So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water.

Sugarcane: The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the early shoot borer and top borer infestation in sugarcane spray Profenofos 400ml per acre @ 2ml/litre of water. Due to warm and humid condition there may be chance of smut disease, to control Spray propiconazole @ 1 ml/l or tebuconazole @ 1 ml/l. In present weather condition For Inter nodes borer- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre at 15 days intervals starting from 4th month onwards. Avoid the use of excessive nitrogenous fertilizers.

JUTE: Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leaf curl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
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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.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 2mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: Isolated Heavy rainfall is forecasted for tomorrow and light to moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 30-34°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-85% and 48-64% 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	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	16	48	20	9	6
T-Max(°C)	34	32	30	33	34
T-Min(°C)	28	27	26	26	27
Cloud Cover(octa)	8	8	8	7	7
RH Max (%)	75	81	85	81	75
RH Min (%)	48	62	64	55	49
Wind Speed (Kmph)	12	17	10	13	15
Wind Direction (deg)	279	257	270	236	244

Agromet Advisory

General advisory: In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha. So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of **BLB** and **Sheath blight** in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of **rice thrips** in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water.

Maize: Stem fly in Maize infects the plants from sowing to 5 weeks after sowing, temperature between 25-30 deg. celsius and humidity above 60% favour pest incidence. In vegetative stage to control stem fly spray Methyl demeton @ 1 ml/lit or Dimethoate @ 2ml/lit or apply Carbofuran 3G 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.

JUTE: Recent rain has aggravated **weed problem** in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control **stem rot of jute**, spray copper oxychloride @ 3-4 gram/litre of water. To control **indigo caterpillar** apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per litre of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of **fruit rot** infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- **Brinjal, tomato and chilli** seedlings should be planted in the main field. Whenever **sucking pests** incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like **seedling rot, stem rot and wilt** diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for **Upward and downward leaf curl** in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control **fruit and shoot borer** in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of **white fly and jassid**. To control this apply Thiomethoxam @ 0.4g/ litre of water.

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 1mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: Isolated Heavy rainfall is forecasted for tomorrow and moderate rainfall is forecasted for other 4 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 33-36°C and night temperature will be 28-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-83% and 52-68% 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	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	16	43	18	11	15
T-Max(°C)	36	34	33	34	34
T-Min(°C)	30	28	28	29	29
Cloud Cover(octa)	8	8	8	6	8
RH Max (%)	78	80	83	76	74
RH Min (%)	52	63	68	61	55
Wind Speed (Kmph)	14	18	11	18	19
Wind Direction (deg)	244	257	270	238	238

Agromet Advisory

General advisory: In view of CRIS seasonal rainfall departure map Cuttack received 5% less (Normal) rainfall than normal in between 1st June to 19th July and also as per SPI there was mildly dry condition in last 4 weeks (17 June to 14 July, 2021), and also there will be normal rainfall in subsequent week (25-31 July) in Odisha. So Farmers should go for beushanning and transplanting activities in upcoming days. In view of forecasted moderate to heavy rainfall, postpone irrigation, intercultural operations and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water logging.

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

TRANSPLANTED RICE: Considering the anticipated rainfall, paddy transplanting may be completed before 30th July. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting. Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC @ 2ml/l of water or Thiomethoxam @ 0.4g/ litre of water.

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

JUTE: Recent rain has aggravated weed problem in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds. After rain in vegetative stage to control stem rot of jute, spray copper oxychloride @ 3-4 gram/litre of water. To control indigo caterpillar apply Spinosad (45% S.C) 0.3 ml/litre of water or Emamectin benzoate (5% SC) 0.5 gram per liter of water.

ARHAR: In arhar crop, for early variety apply 35 kg DAP, 4 kg Urea and 14 kg MOP as basal fertilizer per acre and for late variety apply 52 kg DAP, 6 kg Urea and 14 kg MOP as basal fertilizer per acre in dry days.

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

- Due to forecast of rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- Brinjal, tomato and chilli seedlings should be planted in the main field. Whenever sucking pests incidence was observed spray 5 ml Neem oil or Thiamethoxam 0.2 g. per litre of water. To prevent of soil borne diseases like seedling rot, stem rot and wilt diseases apply 3g of Copper oxychloride per litre of water around the main stem.
- Incidence of thrips may observe in chilli, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather. The present weather conditions are favourable for Upward and downward leafcurl in chilli. To control spray phosalon (Zolone) 3 ml. or diphenhiuron @ 1g./L of water.
- To control fruit and shoot borer in okra, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. Present weather condition favours incidence of white fly and jassid. To control this apply Thiomethoxam @ 0.4g/ litre of water.

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

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-212
Date- 20/07/2021

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 2mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 26°C, respectively. Mean relative humidity of the district was around 80-70%.

Forecasted period: Today(8.30IST) to 25th July (8.30IST)2021

Weather advisory: Isolated Heavy rainfall is forecasted for tomorrow and Thursday and moderate rainfall is forecasted for other 3 days in the block. Farmers should follow now-cast warnings for thunderstorm and lightning in their blocks. The day temperature will be 28-35°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 71-89% and 44-70% 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	21/07/2021	22/07/2021	23/07/2021	24/07/2021	25/07/2021
Rainfall(mm)	19	36	31	18	14
T-Max(°C)	35	28	29	32	34
T-Min(°C)	26	25	25	25	27
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	85	88	89	85	71
RH Min (%)	44	70	69	56	48
Wind Speed (Kmph)	10	11	7	9	12
Wind Direction (deg)	293	270	279	244	248

Agromet Advisory

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Bulletin No.-212
Date- 20/07/2021

			
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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://imdagrimet.gov.in/imdproject/AGIndex.php	

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