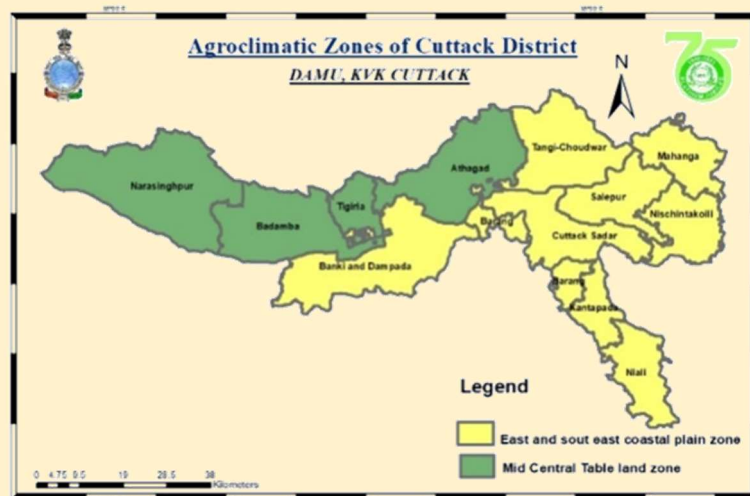




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday 15th July, 2022
(For the period 15th to 19th July, 2022)*



*Issued by
District Agromet Unit,
KrishiVigyan Kendra Cuttack*



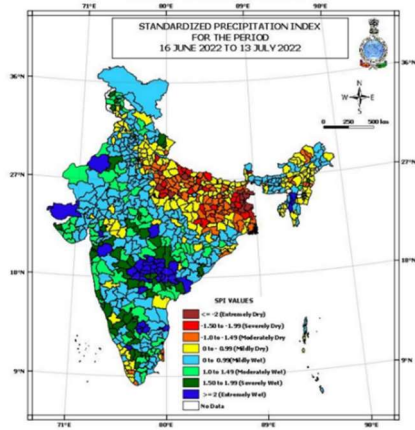
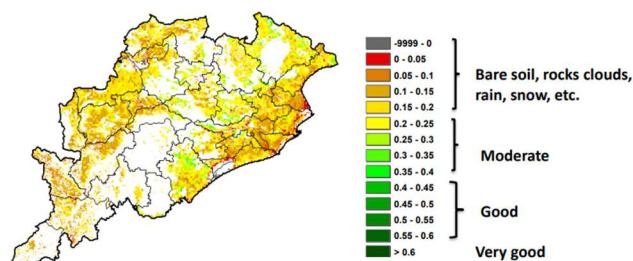


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Bulletin No.-313
Date- 15/07/2022

STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p align="center">Standardised Precipitation Index for the period 16th June 2022 to 13th July 2022</p> <p align="center">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p>  <p align="center">As per SPI value (cumulative 4weeks -16 June 2022 – 13 July2022), mildly dry condition was there in Cuttack district.</p>	<p align="center">NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 27 (02.07.2022 to 08.07.2022) over Agricultural region</p> <p align="center">Odisha</p>  <p align="center">Agriculture vigour could not be captured over the state as kharif sowing have not yet started / under progress.</p> <p align="center">According to NDVI map (02.07.2022 to 08.07.2022) the agriculture vigor was very light to light over most places of Cuttack district and light to moderate over isolated places of Badamba, Narasinghpur and Banki-dampada 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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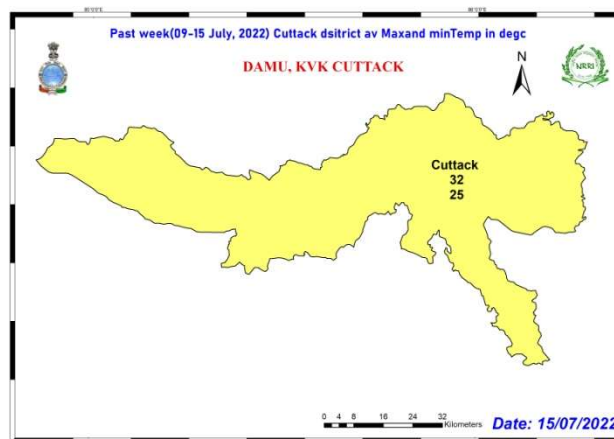
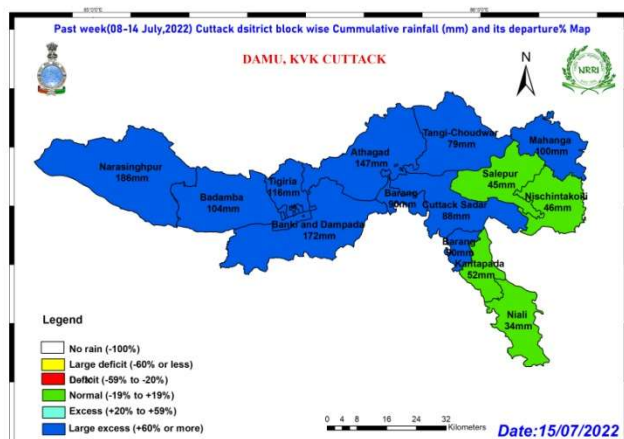


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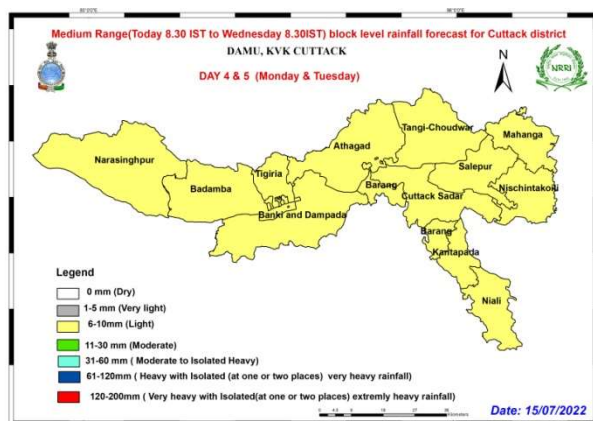
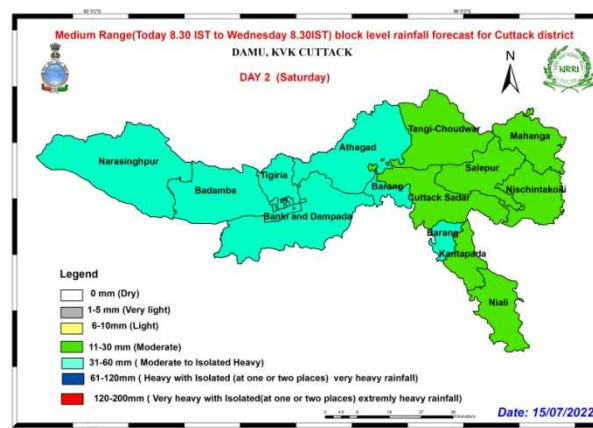
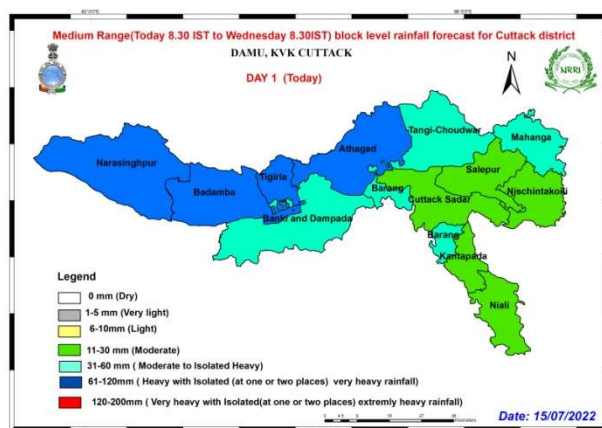


Bulletin No.-313
Date- 15/07/2022

Past week (08-14 July, 2022) cumulative rainfall departure% from normal and (09-15 July) 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.-313
Date- 15/07/2022

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (21-27 July 2022)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	2.95	Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	0.04	Normal
	Minimum temperature	0.14	Normal

General Agromet Advisory:- There will be normal rainfall in subsequent week after 5 days in Odisha condition, so farmers are advised to drain out excess water from their rice nurseries and also should complete direct as well as nursery sowing (dry nursery) of kharif rice in that period. They may 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 and Monthly Rainfall Forecast for July 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 July month in Odisha condition.
- Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.
- Farmers may prefer short to medium duration rice variety for this kharif season and may avoid upland rice cultivation.

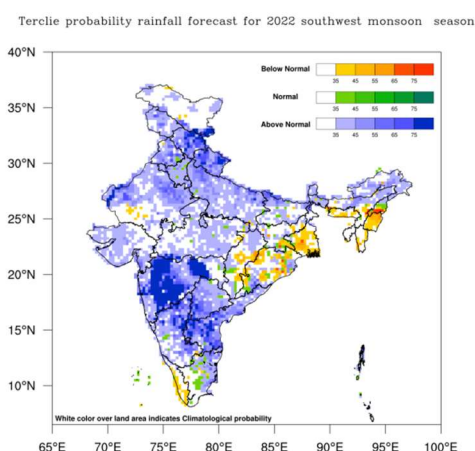


Fig.1. Updated Probability forecast of tercile categories* (below normal, normal, and above normal) of rainfall over India during monsoon season (June -September), 2022. The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within the land area represent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

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

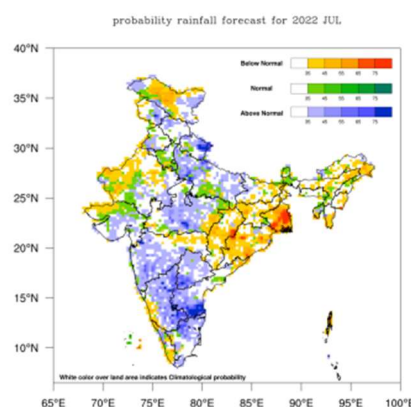


Fig.1. Probability forecast of tercile categories* (below normal, normal and above normal) for the rainfall over India during July 2022. The figure illustrates the most likely categories as well as their probabilities. The white shaded areas within the land area represent climatological probabilities. 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.-313
Date- 15/07/2022

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		Seedling blight
				Blast
2	Sugarcane	Vegetative to tillering		Red rot
				White fly
				Wilt
3	Maize	Vegetative		Anthracnose
				Stalk rot
4	Jute	30-50days/Vegetative		Stem Rot
				Indigo caterpillar
5	Brinjal	Fruiting		Phomopsis Blight
				Fruit and shoot borer

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6	Tomato	Fruting		Bacterial wilt
				Seedling rot
7	Cowpea			Rust
8	Cucurbits	Flowering to Fruiting stage		Downy mildew
				Leaf blight
				Leaf Spot
9	Okra	Fruiting		Fruit & shoot borer
10	Banana			Sigatoka
11	Papaya			YMV

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Bulletin No.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 21mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather advisory: *Isolated heavy to very heavy rainfall is forecasted for today and moderate with isolated heavy rainfall is forecasted for Tomorrow and light to moderate rainfall is forecasted for other 3 days in the block.* The day temperature will be 31-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-88% and 54-63% 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	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall (mm)	65	35	15	7	6
T-Max (°C)	33	31	31	32	34
T-Min (°C)	26	26	25	25	27
Cloud Cover (octa)	7	6	5	7	6
RH Max (%)	84	83	86	88	84
RH Min (%)	57	58	63	58	54
Wind Speed (kmph)	6	6	8	10	10
Wind Direction (deg)	198	338	135	159	189

Agromet Advisory

General advisory: *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

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. **To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.**

TRANSPLANTED RICE:

Considering the anticipated rainfall; paddy transplanting may be completed in this week. 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

Maize: Early sown crop is at 3 week stage. Go for hoeing and weeding. Apply 16 kg Nitrogen /ac followed by earthing up. Due to extended period of cloudy and rainy weather there may be chances of infestation of Anthracnose and bacterial stalk rot disease in Maize, especially at seedling to vegetative stage. To control Anthracnose apply some suitable Fungicide and to control Stalk rot apply Cupper oxychloride based chemicals in dry days.

VEGETABLES AND FRUITS: 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.

- Fruit and vine rot, leaf blight of pointed gourd** may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control papaya yellow mosaic virus, spray Imidachloprid @ 0.5 ml / litre.

Animal Husbandry: Vaccination of livestock should be done. Animal shed should be corrected to protect from direct effect of rain and also should be freed from bushes, grasses and water stagnation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 15mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather advisory: Isolated heavy to very heavy rainfall is forecasted for today and moderate with isolated heavy rainfall is forecasted for Tomorrow and light to moderate rainfall is forecasted for other 3 days in the block. The day temperature will be 31-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-87% and 55-62% 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	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	63	32	17	7	6
T-Max(°C)	33	31	31	32	34
T-Min(°C)	25	25	25	25	26
Cloud Cover(octa)	8	7	6	7	6
RH Max (%)	84	84	87	87	85
RH Min (%)	58	59	62	60	55
Wind Speed (Kmph)	6	6	6	8	9
Wind Direction (deg)	207	293	154	158	180

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

Kharif rice: (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. To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.

TRANSPLANTED RICE:

Considering the anticipated rainfall; paddy transplanting may be completed in this week. 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

Maize: Early sown crop is at 3 week stage. Go for hoeing and weeding. Apply 16 kg Nitrogen /ac followed by earthing up. Due to extended period of cloudy and rainy weather there may be chances of infestation of Anthracnose and bacterial stalk rot disease in Maize, especially at seedling to vegetative stage. To control Anthracnose apply some suitable Fungicide and to control Stalk rot apply Copper oxychloride based chemicals in dry days.

VEGETABLES AND FRUITS: 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.

- **Fruit and vine rot, leaf blight of pointed gourd** may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Animal Husbandry: Vaccination of livestock should be done. Animal shed should be corrected to protect from direct effect of rain and also should be freed from bushes, grasses and water stagnation.

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Bulletin No.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather advisory: Moderate with isolated heavy rainfall is forecasted for today and tomorrow and light to moderate rainfall is forecasted for other 3 days in the block. The day temperature will be 31-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 53-60% 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	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	45	35	18	9	8
T-Max(°C)	33	31	31	32	34
T-Min(°C)	25	25	25	25	27
Cloud Cover(octa)	8	7	5	7	6
RH Max (%)	82	83	86	87	83
RH Min (%)	56	58	60	58	53
Wind Speed (Kmph)	7	7	7	10	11
Wind Direction (deg)	203	326	158	158	180

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

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. **To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.**

TRANSPLANTED RICE: Considering the anticipated rainfall; paddy transplanting may be completed in this week. Apply 400-gram Chlorantranilprole 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

Maize: Early sown crop is at 3 week stage. Go for hoeing and weeding. Apply 16 kg Nitrogen /ac followed by earthing up. Due to extended period of cloudy and rainy weather there may be chances of infestation of Anthracnose and bacterial stalk rot disease in Maize, especially at seedling to vegetative stage. To control Anthracnose apply some suitable Fungicide and to control Stalk rot apply Copper oxychloride based chemicals in dry days.

VEGETABLES AND FRUITS: 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.

- Fruit and vine rot, leaf blight of pointed gourd** may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Animal Husbandry: Vaccination of livestock should be done. Animal shed should be corrected to protect from direct effect of rain and also should be freed from bushes, grasses and water stagnation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 25mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather Advisory:: Moderate with isolated heavy rainfall is forecasted for today and tomorrow and light to moderate rainfall is forecasted for other 3 days in the block. The day temperature will be 31-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 53-60% 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	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	55	36	20	10	9
T-Max(°C)	33	31	31	32	34
T-Min(°C)	26	25	25	25	27
Cloud Cover(octa)	7	7	5	7	6
RH Max (%)	82	83	86	87	83
RH Min (%)	56	58	60	58	53
Wind Speed (Kmph)	7	7	7	10	11
Wind Direction (deg)	203	326	68	158	189

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

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. To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.

TRANSPLANTED RICE: Considering the anticipated rainfall; paddy transplanting may be completed in this week. Apply 400-gram Chlorantranilprole 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

Maize: Early sown crop is at 3 week stage. Go for hoeing and weeding. Apply 16 kg Nitrogen /ac followed by earthing up. Due to extended period of cloudy and rainy weather there may be chances of infestation of Anthracnose and bacterial stalk rot disease in Maize, especially at seedling to vegetative stage. To control Anthracnose apply some suitable Fungicide and to control Stalk rot apply Copper oxychloride based chemicals in dry days.

VEGETABLES AND FRUITS: 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.

- **Fruit and vine rot, leaf blight** of pointed gourd may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control papaya yellow mosaic virus, spray Imidachloprid @ 0.5 ml / litre.

Animal Husbandry: Vaccination of livestock should be done. Animal shed should be corrected to protect from direct effect of rain and also should be freed from bushes, grasses and water stagnation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 13mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather advisory: *Moderate with isolated heavy rainfall is forecasted for today and tomorrow and light to moderate rainfall is forecasted for other 3 days in the block.* The day temperature will be 31-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 52-62% 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	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	32	35	14	8	7
T-Max(°C)	32	31	32	33	34
T-Min(°C)	26	26	26	26	27
Cloud Cover	7	6	4	7	6
RH Max (%)	82	83	84	87	82
RH Min (%)	57	62	61	58	52
Wind Speed (Kmph)	8	8	9	12	13
Wind Direction (deg)	207	338	135	162	203

Agromet Advisory

General advisory: *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

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. **To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.**

TRANSPLANTED RICE: Considering the anticipated rainfall; paddy transplanting may be completed in this week. Apply 400-gram Chlorantranilprole 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

Maize: Early sown crop is at 3 week stage. Go for hoeing and weeding. Apply 16 kg Nitrogen /ac followed by earthing up. Due to **extended period of cloudy and rainy weather** there may be chances of infestation of **Anthraxnose and bacterial stalk rot** disease in Maize, especially at seedling to vegetative stage. To control Anthraxnose apply some suitable Fungicide and to control Stalk rot apply Cupper oxychloride based chemicals in dry days.

VEGETABLES AND FRUITS: 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.

- Fruit and vine rot, leaf blight of pointed gourd** may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Animal Husbandry: Vaccination of livestock should be done. Animal shed should be corrected to protect from direct effect of rain and also should be freed from bushes, grasses and water stagnation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 13mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July (8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and tomorrow and light rainfall is forecasted for other 3 days in the block.

The day temperature will be 31-34°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-88% and 53-60% 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	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	28	29	10	9	6
T-Max(°C)	32	31	32	32	34
T-Min(°C)	26	26	26	26	27
Cloud Cover(octa)	7	6	5	7	6
RH Max (%)	83	83	85	88	83
RH Min (%)	57	60	60	58	53
Wind Speed (Kmph)	7	7	9	11	12
Wind Direction (deg)	30	338	135	159	201

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

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. **To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.**

TRANSPLANTED RICE: Considering the anticipated rainfall; paddy transplanting may be completed in this week. 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

Sugarcane: For Red rot and wilt disease, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2% SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyriphos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Copper oxychloride 50.0% 3 gram per liter of water.

VEGETABLES AND FRUITS: 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.

- Fruit and vine rot, leaf blight of pointed gourd** may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Animal Husbandry: Vaccination of livestock should be done. Animal shed should be corrected to protect from direct effect of rain and also should be freed from bushes, grasses and water stagnation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 7mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and tomorrow and light rainfall is forecasted for other 3 days in the block. 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 81-86% and 51-64% 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	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	26	18	10	7	6
T-Max(°C)	32	30	33	33	35
T-Min(°C)	26	26	26	26	28
Cloud Cover(octa)	7	6	4	7	6
RH Max (%)	82	84	83	86	81
RH Min (%)	59	64	58	55	51
Wind Speed (Kmph)	8	9	9	13	16
Wind Direction (deg)	225	214	158	167	203

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

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. **To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.**

TRANSPLANTED RICE: Considering the anticipated rainfall; paddy transplanting may be completed in this week. 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

Suagrcane: For **Red rot and wilt disease**, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2% SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyrifos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Cupper oxychloride 50.0% 3 gram per liter of water.

VEGETABLES AND FRUITS: 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.

- **Fruit and vine rot, leaf blight of pointed gourd** may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya** yellow mosaic virus, spray Imidachloprid @ 0.5 ml / litre.

Animal Husbandry: Vaccination of livestock should be done. Animal shed should be corrected to protect from direct effect of rain and also should be freed from bushes, grasses and water stagnation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 21mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather advisory: Moderate with isolated heavy rainfall is forecasted for today and light to moderate rainfall is forecasted for other 4 days in the block. The day temperature will be and it will be 32-34°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 53-59% 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	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	31	20	10	10	8
T-Max(°C)	32	32	32	33	34
T-Min(°C)	26	26	26	26	28
Cloud Cover(octal)	6	5	4	7	6
RH Max (%)	85	84	84	87	82
RH Min (%)	58	57	59	56	53
Wind Speed (Kmph)	8	8	10	12	14
Wind Direction (deg)	30	23	120	162	201

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

Khari rice: (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. **To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.**

TRANSPLANTED RICE:

Considering the anticipated rainfall; paddy transplanting may be completed in this week. 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

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.

VEGETABLES AND FRUITS: 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.

- Fruit and vine rot, leaf blight** of pointed gourd may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. 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.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 27mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather advisory: Isolated heavy to very heavy rainfall is forecasted for today and moderate with isolated heavy rainfall is forecasted for Tomorrow and light to moderate rainfall is forecasted for other 3 days in the block. The day temperature will be 30-33°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-89% and 57-65% 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	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	62	38	18	8	7
T-Max(°C)	33	31	30	32	33
T-Min(°C)	25	24	24	25	26
Cloud Cover(octa)	8	8	6	7	6
RH Max (%)	87	88	88	89	89
RH Min (%)	60	60	65	63	57
Wind Speed (Kmph)	4	5	5	5	6
Wind Direction (deg)	259	288	158	161	195

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

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. To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.

TRANSPLANTED RICE: Considering the anticipated rainfall; paddy transplanting may be completed in this week. 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

Maize: Early sown crop is at 3 week stage. Go for hoeing and weeding. Apply 16 kg Nitrogen /ac followed by earthing up. Due to extended period of cloudy and rainy weather there may be chances of infestation of Anthracnose and bacterial stalk rot disease in Maize, especially at seedling to vegetative stage. To control Anthracnose apply some suitable Fungicide and to control Stalk rot apply Copper oxychloride based chemicals in dry days.

VEGETABLES AND FRUITS: 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.

- **Fruit and vine rot, leaf blight** of pointed gourd may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water. 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya** yellow mosaic virus, spray Imidachloprid @ 0.5 ml / litre.

Animal Husbandry: Vaccination of livestock should be done. Animal shed should be corrected to protect from direct effect of rain and also should be freed from bushes, grasses and water stagnation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 5mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and tomorrow and light rainfall is forecasted for other 3 days in the block. 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 80-86% and 52-65% 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	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	26	29	9	6	6
T-Max(°C)	32	30	33	33	35
T-Min(°C)	26	26	26	26	28
Cloud Cover(octa)	8	6	4	7	6
RH Max (%)	82	83	81	86	80
RH Min (%)	59	65	58	55	52
Wind Speed(Kmph)	8	10	10	14	18
Wind Direction(deg)	225	225	158	180	203

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

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. To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.

TRANSPLANTED RICE: Considering the anticipated rainfall; paddy transplanting may be completed in this week. 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

Sugarcane: For Red rot and wilt disease, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2% SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyrifos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Copper oxychloride 50.0% 3 gram per liter of water.

VEGETABLES AND FRUITS: 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.

- **Fruit and vine rot, leaf blight** of pointed gourd may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control papaya yellow mosaic virus, spray Imidachloprid @ 0.5 ml / litre.

Animal Husbandry: Vaccination of livestock should be done. Animal shed should be corrected to protect from direct effect of rain and also should be freed from bushes, grasses and water stagnation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-313
Date- 15/07/2022

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

The block received average 7mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather advisory: Moderate rainfall is forecasted for today and tomorrow and light rainfall is forecasted for other 3 days in the block. The day temperature will be 32-34°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-87% and 52-58% respectively. **There will be partly cloudy to overcast sky for next 5 days.**

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	22	25	10	7	6
T-Max(°C)	32	32	32	33	34
T-Min(°C)	26	26	26	26	28
Cloud Cover(octa)	6	5	4	7	6
RH Max (%)	84	84	84	87	81
RH Min (%)	57	56	58	54	52
Wind Speed (Kmph)	8	9	10	13	15
Wind Direction (deg)	30	203	120	167	201

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

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. **To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.**

TRANSPLANTED RICE: Considering the anticipated rainfall; paddy transplanting may be completed in this week. Apply 400-gram Chlorantranilprole 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

Sugarcane: For Red rot and wilt disease, spray the crop with Mancozeb 0.3% or carbendazim 0.1% or Azoxystrobin 18.2% SC/ Difenconazole 11.45SC @ 1ml per liter water in dry days. weather is conducive for temperatures between 29-35 degree Celsius, humidity 60-70 %; this may favour the growth of Whiteflies in sugarcane; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyriphos @ 2.5ml/litre water. Present rainy weather favors infestation Wilt disease in Sugarcane, to control this drain out excess water and apply Cupper oxychloride 50.0% 3 gram per liter of water.

VEGETABLES AND FRUITS: 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.

- Fruit and vine rot, leaf blight of pointed gourd** may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer in okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Animal Husbandry: Vaccination of livestock should be done. Animal shed should be corrected to protect from direct effect of rain and also should be freed from bushes, grasses and water stagnation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 6mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather advisory: *Moderate rainfall is forecasted for today and tomorrow and light rainfall is forecasted for other 3 days in the block.* The day temperature will be 32-34°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 52-58% 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	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	25	26	9	7	6
T-Max(°C)	32	32	32	33	34
T-Min(°C)	26	26	26	26	28
Cloud Cover(octa)	6	5	4	7	6
RH Max (%)	84	84	84	87	82
RH Min (%)	58	57	58	55	52
Wind Speed (Kmph)	8	8	10	12	14
Wind Direction (deg)	30	206	120	167	201

Agromet Advisory

General advisory: *Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.*

Kharrifrice:(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. **To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.**

TRANSPLANTED RICE: Considering the anticipated rainfall; paddy transplanting may be completed in this week. 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

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.

VEGETABLES AND FRUITS: 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.

- Fruit and vine rot, leaf blight** of **pointed gourd** may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. 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.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 11mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather advisory: Moderate with isolated heavy rainfall is forecasted for today and light to moderate rainfall is forecasted for other 4 days in the block. The day temperature will be 32-34°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-85% and 55-60% 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	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	32	25	15	7	8
T-Max(°C)	32	32	32	33	34
T-Min(°C)	26	26	26	26	28
Cloud Cover(octa)	7	4	3	7	6
RH Max (%)	78	80	80	85	80
RH Min (%)	60	55	58	58	59
Wind Speed (Kmph)	11	11	13	16	22
Wind Direction (deg)	120	203	135	180	198

Agromet Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

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. **To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.**

TRANSPLANTED RICE:

Considering the anticipated rainfall; paddy transplanting may be completed in this week. 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hexaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

Maize: Early sown crop is at 3 week stage. Go for hoeing and weeding. Apply 16 kg Nitrogen /ac followed by earthing up. Due to extended period of cloudy and rainy weather there may be chances of infestation of Anthracnose and bacterial stalk rot disease in Maize, especially at seedling to vegetative stage. To control Anthracnose apply some suitable Fungicide and to control Stalk rot apply Copper oxychloride based chemicals in dry days.

VEGETABLES AND FRUITS: 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.

- **Fruit and vine rot, leaf blight of pointed gourd** may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Animal Husbandry: Vaccination of livestock should be done. Animal shed should be corrected to protect from direct effect of rain and also should be freed from bushes, grasses and water stagnation.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-313
Date- 15/07/2022

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 17mm and district received average 14mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C (-0.3°C from normal) and 25°C (+1.5°C from normal), respectively. Mean relative humidity was around 81-94%.

Forecasted period: Today(8.30IST) to 20th July(8.30IST)2022

Weather advisory: Isolated heavy to very heavy rainfall is forecasted for today and moderate with isolated heavy rainfall is forecasted for Tomorrow and light to moderate rainfall is forecasted for other 3 days in the block. The day temperature will be 31-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-88% and 55-62% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	15/07/2022	16/07/2022	17/07/2022	18/07/2022	19/07/2022
Rainfall(mm)	64	32	17	9	8
T-Max(°C)	32	31	31	32	34
T-Min(°C)	25	25	25	25	26
Cloud Cover(octa)	7	7	6	7	6
RH Max (%)	84	84	87	88	84
RH Min (%)	58	59	62	59	55
Wind Speed (Kmph)	6	6	8	9	9
Wind Direction (deg)	198	270	154	158	189

Agro met Advisory

General advisory: Drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days. Keep the harvested produce at safer places. Cover the vegetable seedling with polythene to protect them from heavy shower.

Kharif rice: (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. To control weeds in direct sown rice field, spray Bispyribac sodium 10% SC @ 15ml/tanks of 16 litre capacities at 8- 10 DAS or when the weeds are at 2-3 leaf stage.

TRANSPLANTED RICE: Considering the anticipated rainfall; paddy transplanting may be completed in this week. Apply 400-gram Chlorantranilprole 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.

Prevailing weather condition may lead to infestation of rice blast and BLB in rice nursery. If leaf blast is observed in nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval. Intermittent dry and wet weather condition, is favourable for incidence of BLB in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole @ 1.5ml/l along with Plantomycin @ 1.0 g/l to prevent the spread of the disease.

Maize: Early sown crop is at 3 week stage. Go for hoeing and weeding. Apply 16 kg Nitrogen /ac followed by earthing up. Due to extended period of cloudy and rainy weather there may be chances of infestation of Anthracnose and bacterial stalk rot disease in Maize, especially at seedling to vegetative stage. To control Anthracnose apply some suitable Fungicide and to control Stalk rot apply Copper oxychloride based chemicals in dry days.

VEGETABLES AND FRUITS: 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.

- **Fruit and vine rot, leaf blight** of pointed gourd may observe. Remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in a sunny day
- Due to Past 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.
- **Seedling rot** is likely to appear in vegetable nursery after rain. Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre or Copper oxychloride @ 2.5g/litre of water to control it.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb @ 2g/litre and Azoxystrobin+Tebuconazole @ 0.6g/litre of water at 10 days interval.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- To control **fruit and shoot borer** in **okra**, Spray Bacillus thuringiensis 5% W.P @ 1.5 gram/lit of water.

Fruits: Maintain proper drainage facility in banana field to prevent rhizome rot. Spray mancozeb 2g/litre, to control sigatoka leaf spot in **banana**. To control **papaya yellow mosaic virus**, spray Imidachloprid @ 0.5 ml / litre.

Animal Husbandry: Vaccination of livestock should be done. Animal shed should be corrected to protect from direct effect of rain and also should be freed from bushes, grasses and water stagnation.

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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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