



GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
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Bulletin No.-414
Date- 04/07/2023

STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p align="center">Standardised Precipitation Index for the period 1st to 28th June 2023</p>	<p align="center">NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 26 (25.06.2023 to 01.07.2023) over Agricultural region</p> <p align="center">Odisha</p> <p align="center">Agriculture vigour is moderate over many places of the state.</p>
<p>As per SPI value (cumulative 4weeks -01 to 28 June 2023), Mildly dry condition was there in Cuttack district.</p>	<p>According to NDVI map (25.06.2023 to 01.07.2023) the agriculture vigor was moderate over isolated places of Narsinghpur, Banki-dampada, Badamba blocks of Cuttack district and very light over most places of other blocks.</p>

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

LEGEND (Past week temperature)		
Color code	Temperature	Departure
	Below Normal	< 2°C from normal
	Normal	-2°C to +2°C from normal
	Above Normal	>2°C from normal

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
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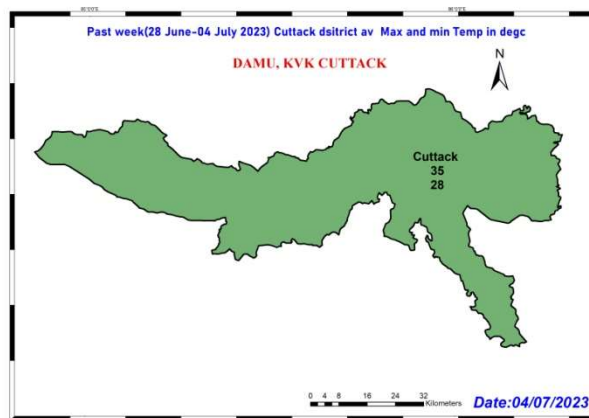
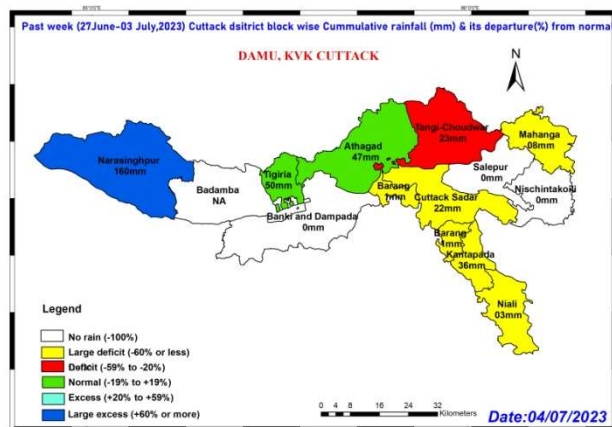


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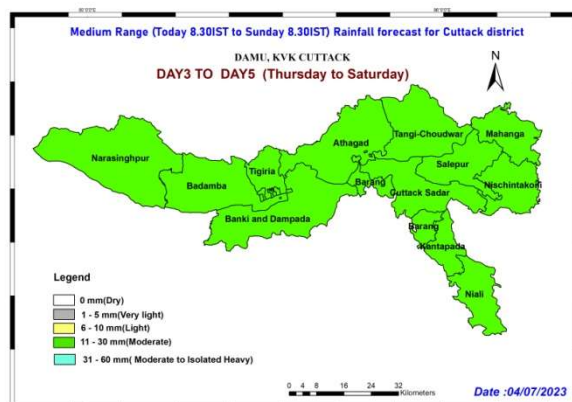
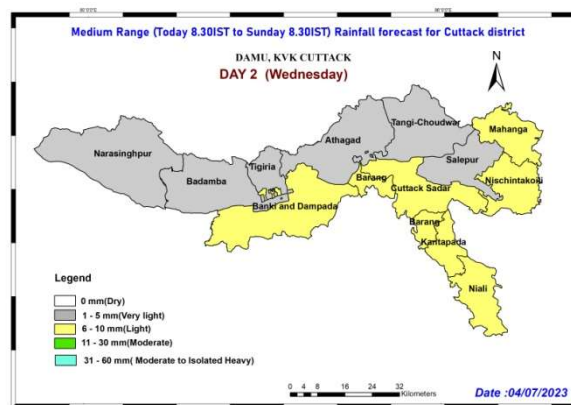
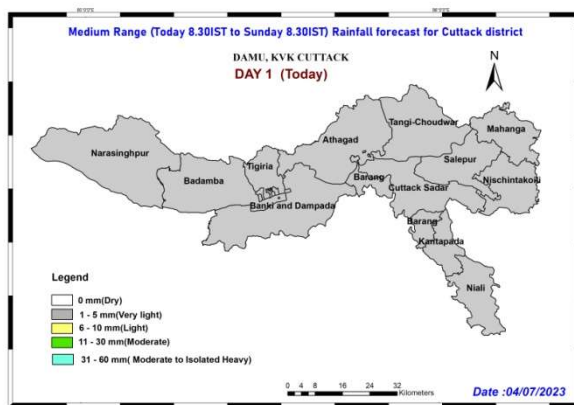


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Date- 04/07/2023

Past week (27 June-03 July, 2023) cumulative rainfall departure% from normal and (28 June-04 July) average maximum and minimum temperature for Cuttack district



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



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Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (09-15 June2023)				
Odisha	<i>Parameter</i>	<i>Actual</i>	<i>Normal</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall (mm)	13.33	12.07	10.41	Normal
	<i>Parameter</i>	<i>Actual</i>	<i>Normal</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature (°C)	32.25	31.52	0.73	Normal
	Minimum temperature (°C)	25.04	24.41	0.63	Normal

General Agromet Advisory:- As there will be **normal rainfall in the subsequent week after 5 days in Odisha condition**, so farmers are advised to go for sowing of kharif paddy and vegetables (in upland) condition and are advised to drainout excess water from the field.

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

Sl No	Crop	Stage and condition of the crop	Anticipated Disease and pest	
1	Rice	Nursery stage		Seedling blight
				Blast
2	Sugarcane	Vegetative to tillering		Red rot
				White fly
3	Maize	Vegetative		Anthracnose
				Stalk rot
4	Jute	30-50days/Vegetative		Stem Rot
				Jute Hairy caterpillar
				Yellow mite
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		YMV
10	Banana			Sigatoka
11	Papaya			YMV

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Bulletin No.-414

Date- 04/07/2023

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 7mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block.* The day temperature will be 34-36°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-85% and 38-49% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall (mm)	4	5	15	17	14
T-Max (°C)	34	35	36	35	35
T-Min (°C)	26	26	26	27	27
Cloud Cover (octa)	6	6	7	7	8
RH Max (%)	83	81	85	77	75
RH Min (%)	49	42	38	41	41
Wind Speed (kmph)	15	15	13	9	12
Wind Direction (deg)	162	167	162	214	210

Agromet Advisory

General advisory: *Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.*

Kharif rice:

DIRECT SEEDED RICE:

After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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 wedding. 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:

- 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.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiometoxam 25WG @ 60g/acre.

Fruits: 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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AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block.* The day temperature will be **34-36°C** and night temperature will be **26°C** for upcoming 5 days. Maximum and minimum relative humidity will be 75-84% and 37-46% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	2	5	14	17	13
T-Max(°C)	35	35	36	35	34
T-Min(°C)	26	26	26	26	26
Cloud Cover(octa)	5	6	7	8	8
RH Max (%)	82	78	84	78	75
RH Min (%)	46	40	37	44	44
Wind Speed (Kmph)	15	15	11	8	12
Wind Direction (deg)	162	162	155	203	210

Agromet Advisory

General advisory: *Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.*

Kharif rice:

DIRECT SEEDED RICE:

After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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 wedding. 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:

- 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.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiometoxam 25WG @ 60g/acre.

Fruits: 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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AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block.* The day temperature will be **35-36°C** and night temperature will be **26-27°C** for upcoming 5 days. Maximum and minimum relative humidity will be 72-83% and 39-46% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	5	8	16	15	12
T-Max(°C)	35	35	36	36	35
T-Min(°C)	26	26	26	27	27
Cloud Cover(octa)	5	6	7	7	8
RH Max (%)	81	79	83	75	72
RH Min (%)	46	40	39	40	40
Wind Speed (Kmph)	16	16	13	8	14
Wind Direction (deg)	162	167	167	214	210

Agromet Advisory

General advisory: *Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.*

Kharif rice:

DIRECT SEEDED RICE:

After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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

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Maize:

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Bulletin No.-414

Date- 04/07/2023

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 0mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

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Date	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	5	8	16	16	13
T-Max(°C)	34	35	36	36	35
T-Min(°C)	26	26	26	27	27
Cloud Cover(octa)	5	6	7	7	8
RH Max (%)	81	79	83	75	72
RH Min (%)	46	41	39	40	41
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Agromet Advisory

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Kharif rice:

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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 wedding. 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:

- 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.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiometoxam 25WG @ 60g/acre.

Fruits: 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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GRAMIN KRISHIMAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
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Bulletin No.-414
Date- 04/07/2023

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 0.1mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block.* The day temperature will be 34-35°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-83% and 40-48% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	5	9	17	15	13
T-Max(°C)	34	34	35	35	35
T-Min(°C)	27	27	27	28	28
Cloud Cover	6	6	7	7	8
RH Max (%)	81	80	83	73	70
RH Min (%)	48	40	40	41	41
Wind Speed (Kmph)	15	16	16	11	14
Wind Direction (deg)	167	180	193	203	205

Agromet Advisory

General advisory: *Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.*

Kharif rice:

DIRECT SEEDED RICE:

After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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 wedding. 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:

- 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.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiometoxam 25WG @ 60g/acre.

Fruits: 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.-414
Date- 04/07/2023

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

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 3mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block.* The day temperature will be 33-35°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-84% and 40-51% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	5	9	17	13	13
T-Max(°C)	33	34	35	34	35
T-Min(°C)	27	27	27	28	28
Cloud Cover(octa)	6	6	8	7	8
RH Max (%)	82	81	84	75	73
RH Min (%)	51	41	40	41	41
Wind Speed (Kmph)	15	15	15	11	13
Wind Direction (deg)	167	167	180	214	205

Agromet Advisory

General advisory: *Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.*

Kharif rice:

DIRECT SEEDED RICE:

After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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; provide irrigation which facilitates the 12 soil moisture and reduces the multiplication; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyrifos @ 2.5ml/litre water.

VEGETABLES AND FRUITS:

- 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. Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.

Fruits: 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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(A Unit of ICAR-National Rice Research Institute)

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AGROMET ADVISORY BULLETIN FOR KANTAPADA



Bulletin No.-414

Date- 04/07/2023

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

The block received average 5mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block.* The day temperature will be **34°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 68-82% and 41-46% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	3	10	18	17	12
T-Max(°C)	34	34	34	34	34
T-Min(°C)	27	27	27	28	28
Cloud Cover(octa)	5	7	7	7	8
RH Max (%)	79	80	82	72	68
RH Min (%)	46	42	43	44	41
Wind Speed (Kmph)	16	17	18	13	15
Wind Direction (deg)	180	198	201	203	205

Agromet Advisory

General advisory: *Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.*

Kharif rice:

DIRECT SEEDED RICE:

After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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; provide irrigation which facilitates the 12 soil moisture and reduces the multiplication; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyrifos @ 2.5ml/litre water.

VEGETABLES AND FRUITS:

- 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. Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.

Fruits: 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.-414

Date- 04/07/2023

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 **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block.* The day temperature will be and it will be **33-35°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 72-82% and 41-49% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	4	5	14	16	13
T-Max(°C)	34	34	35	33	34
T-Min(°C)	27	27	27	28	28
Cloud Cover(octal)	6	6	8	8	8
RH Max (%)	81	80	82	75	72
RH Min (%)	49	43	42	44	41
Wind Speed (Kmph)	15	15	16	12	13
Wind Direction (deg)	167	193	180	180	208

Agromet Advisory

General advisory: *Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.*

Kharif rice:

DIRECT SEEDED RICE: After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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. Farmers should be alert about the initial infestation of hairy caterpillar, grey weevils and yellow mites after rain when the temperature raises with high humidity. Control: i) Spray Lambda Cyhalothrin 5EC@ 1ml/lit or Indoxacarb 14.5 SC@ 1.0 ml/litre in extreme cases of hairy caterpillar. Spray combination of (Chlorpyrifos 50 EC+Cypermethrin 5 EC) @ 1-1.5 ml/l or Chlorpyrifos 20 EC @2ml/litre or Quinalphos 25 EC@1.25 ml/litre to control grey weevils. To control yellow mite spray Fenpyroximate@25ml/15lit water with sticker and repeat the same in consequent next 14 days.

Maize: 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: **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. Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiometoxam 25WG @ 60g/acre.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-414
Date- 04/07/2023

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AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 23mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.8°C(+1.81°C from normal) and 27.5°C(+3.4°C from normal), respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block. The day temperature will be 34-38°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-85% and 35-47% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	3	4	13	17	14
T-Max(°C)	35	36	38	36	34
T-Min(°C)	25	26	25	25	25
Cloud Cover(/octa)	6	5	7	8	8
RH Max (%)	85	79	84	81	80
RH Min (%)	46	35	38	47	45
Wind Speed (Kmph)	11	11	7	6	9
Wind Direction (deg)	159	159	150	248	281

Agromet Advisory

General advisory: Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.

Kharif rice:

DIRECT SEEDED RICE:

After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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 wedding. 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:

- 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.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiometoxam 25WG @ 60g/acre.

Fruits: 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.-414
Date- 04/07/2023

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 0.4mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block.* The day temperature will be **33-34°C** and night temperature will be **27-29°C** for upcoming 5 days. Maximum and minimum relative humidity will be 67-82% and 42-47% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	4	9	20	16	12
T-Max(°C)	34	33	33	34	34
T-Min(°C)	27	27	27	28	29
Cloud Cover(octa)	5	7	7	7	8
RH Max (%)	79	80	82	70	67
RH Min (%)	47	46	47	47	42
Wind Speed(Kmph)	16	17	19	15	16
Wind Direction(deg)	180	198	203	225	203

Agromet Advisory

General advisory: *Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.*

Kharif rice:

DIRECT SEEDED RICE:

After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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; provide irrigation which facilitates the 12 soil moisture and reduces the multiplication; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyrifos @ 2.5ml/litre water.

VEGETABLES AND FRUITS:

- 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. Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.

Fruits: 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.-414
Date- 04/07/2023

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

The block received average 0mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block.* The day temperature will be 34-35°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 71-82% and 41-48% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	4	10	20	16	13
T-Max(°C)	34	34	35	34	34
T-Min(°C)	27	27	27	28	28
Cloud Cover(octa)	6	6	7	7	8
RH Max (%)	80	80	82	74	71
RH Min (%)	48	42	42	44	41
Wind Speed (Kmph)	15	16	17	13	13
Wind Direction (deg)	167	193	193	195	208

Agromet Advisory

General advisory: *Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.*

Kharif rice:

DIRECT SEEDED RICE:

After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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; provide irrigation which facilitates the 12 soil moisture and reduces the multiplication; spray Thiamethoxam 25 WG @ 125g/ha or apply Chloropyrifos @ 2.5ml/litre water.

VEGETABLES AND FRUITS:

- 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. Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.

Fruits: 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.-414
Date- 04/07/2023

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 0mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block.* The day temperature will be 33-35°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-82% and 41-49% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	3	5	18	17	12
T-Max(°C)	34	34	35	33	34
T-Min(°C)	27	27	27	28	28
Cloud Cover(octa)	6	6	8	7	8
RH Max (%)	81	80	82	74	72
RH Min (%)	49	41	41	44	42
Wind Speed (Kmph)	15	15	17	12	13
Wind Direction (deg)	167	193	193	195	205

Agromet Advisory

General advisory: *Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.*

Kharif rice:

DIRECT SEEDED RICE: After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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/liter of water. Farmers should be alert about the initial infestation of hairy caterpillar, grey weevils and yellow mites after rain when the temperature raises with high humidity. Control: i) Spray Lambda Cyhalothrin 5EC@ 1ml/lit or Indoxacarb 14.5 SC@ 1.0 ml/litre in extreme cases of hairy caterpillar. Spray combination of (Chlorpyrifos 50 EC+Cypermethrin 5 EC) @ 1-1.5 ml/l or Chlorpyrifos 20 EC @2ml/litre or Quinalphos 25 EC@1.25 ml/litre to control grey weevils. To control yellow mite spray Fenpyroximate@25ml/15lit water with sticker and repeat the same in consequent next 14 days.

Maize: 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: **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. Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiometoxam 25WG @ 60g/acre.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-414

Date- 04/07/2023

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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 **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block.* The day temperature will be 35-37°C and night temperature will be 30-31°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-82% and 48-56% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	4	5	17	16	12
T-Max(°C)	36	35	35	35	37
T-Min(°C)	30	30	30	31	31
Cloud Cover(octa)	5	7	7	7	8
RH Max (%)	79	80	82	72	70
RH Min (%)	55	54	56	56	48
Wind Speed (Kmph)	17	19	21	18	17
Wind Direction (deg)	167	198	198	203	203

Agromet Advisory

General advisory: *Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.*

Kharif rice:

DIRECT SEEDED RICE:

After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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:

- 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.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiometoxam 25WG @ 60g/acre.

Fruits: 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.-414
Date- 04/07/2023

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 7mm and district received average 4mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.8°C(+1.81°C from normal)** and **27.5°C(+3.4°C from normal)**, respectively. Mean relative humidity of the district was around 82-85%.

Forecasted period: Today(8.30IST) to 09th July (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for today, Tomorrow and Moderate rainfall/thundershower is forecasted for other 3 days in the block.* The day temperature will be **34-36°C** and night temperature will be **26-27°C** for upcoming 5 days. Maximum and minimum relative humidity will be 76-85% and 37-47% 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	04/07/2023	05/07/2023	06/07/2023	07/07/2023	08/07/2023
Rainfall(mm)	4	4	14	16	13
T-Max(°C)	34	35	36	35	35
T-Min(°C)	26	26	26	27	27
Cloud Cover(octa)	6	6	7	7	8
RH Max (%)	83	80	85	77	76
RH Min (%)	47	42	37	42	42
Wind Speed (Kmph)	15	15	12	8	12
Wind Direction (deg)	162	162	156	203	210

Agro met Advisory

General advisory: *Pause sowing of rice after Wednesday.. Drain out excess water from the nursery during day time. Make drainage channels in medium and low land crop field. As monsoon will be active go for dry bed nursery sowing after rainfall activity. Postpone irrigation, intercultural operations, application of plant protection measures and fertilizers to the standing crops in upcoming 5 days.*

Kharif rice:

DIRECT SEEDED RICE:

After recent rain, farmers those who have grown direct seeded paddy, spray Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

TRANSPLANTED RICE:

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:

- 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.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiometoxam 25WG @ 60g/acre.

Fruits: 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)



Follow Meghdoot Mobile APP for Agromet advisories in local language and DAMINI APP for Lightening alert in your area



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Bulletin No.-414
 Date- 04/07/2023

				
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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	Agromet division, IMD, Pune	https://imdagrmet.gov.in/imdproject/AGIndex.php	

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