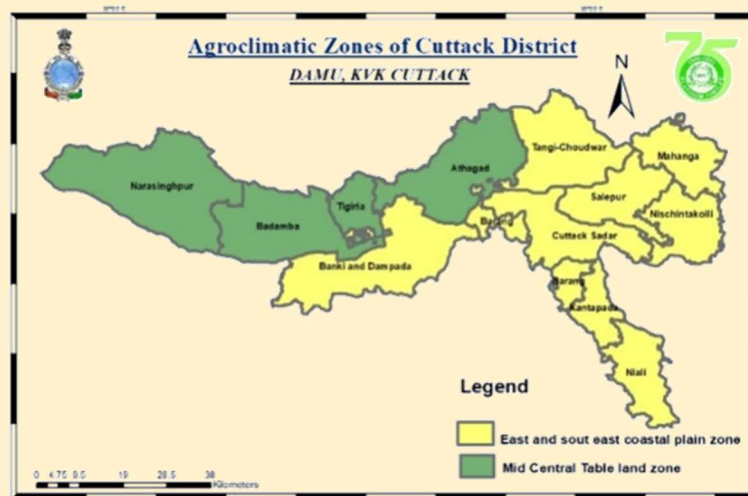




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday 17th May, 2022
 (For the period 17th to 21st May, 2022)*



*Issued by
 District Agromet Unit,
 KrishiVigyan Kendra Cuttack*





GRAMIN KRISHI MAUSAM SEWA
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Bulletin No.-296
Date- 17/05/2022

STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p style="text-align: center;">Standardised Precipitation Index for the period 14th April 2022 to 11th May 2022</p> <p style="text-align: center;">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p style="text-align: center;">Standardized Precipitation Index FOR THE PERIOD 14 APR 2022 TO 11 MAY 2022</p> <p style="text-align: center;">SPI VALUES</p> <ul style="list-style-type: none"> < -2 (Extremely Dry) -1.50 to -1.99 (Extremely Dry) -1.00 to -1.49 (Moderately Dry) -0.50 to -0.99 (Mildly Dry) 0 to 0.49 (Near Normal) 0.50 to 0.99 (Moderately Wet) 1.00 to 1.49 (Extremely Wet) 1.50 to 1.99 (Extremely Wet) > 2 (Extremely Wet) No Data 	<p style="text-align: center;">NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 18 (30.04.2022 to 06.05.2022) over Agricultural region</p> <p style="text-align: center;">Odisha</p> <p style="text-align: center;">Agriculture vigour is moderate over the state.</p>
<p>As per SPI value (cumulative 4weeks - 14April 2022 – 11May 2022), mildly wet condition was there in Cuttack district.</p>	<p>According to NDVI map (30.04.2022 to 06.05.2022) the agriculture vigor was very light to light over most places of Cuttack district</p>

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

Dr Sujata Sethy
(Nodal officer)



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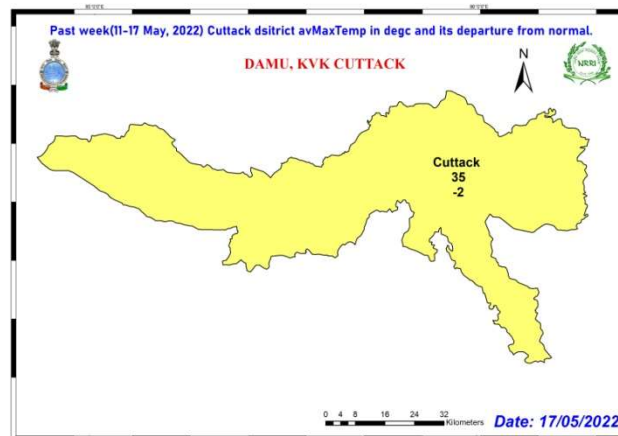
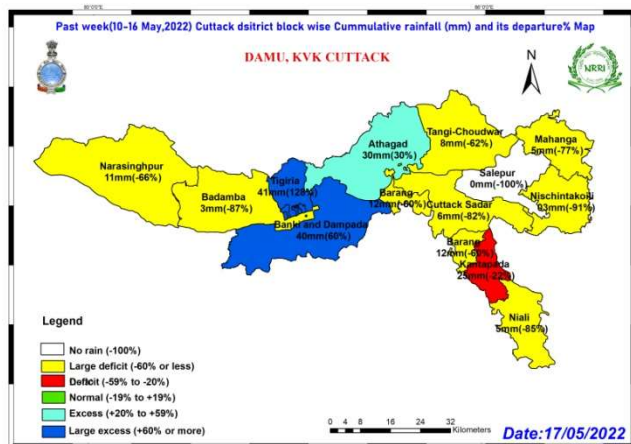


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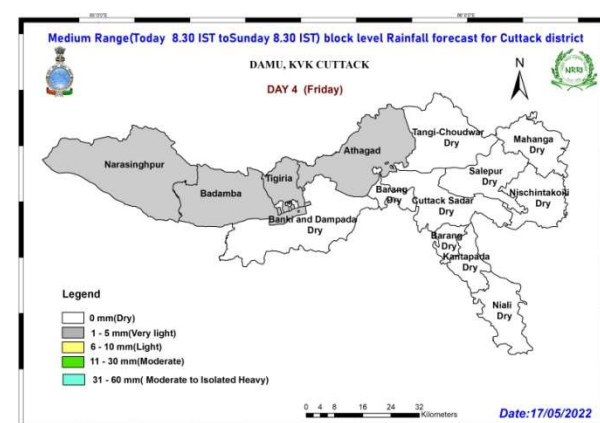
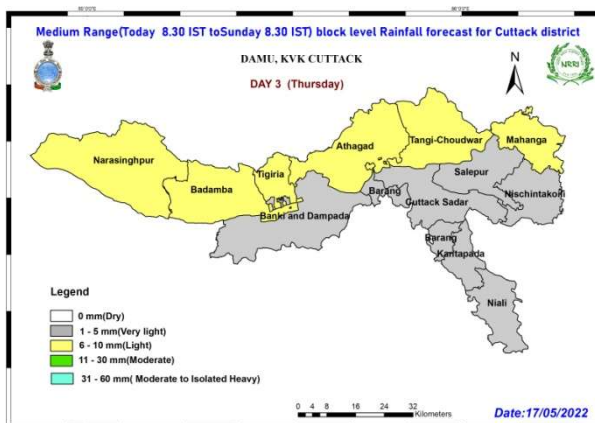
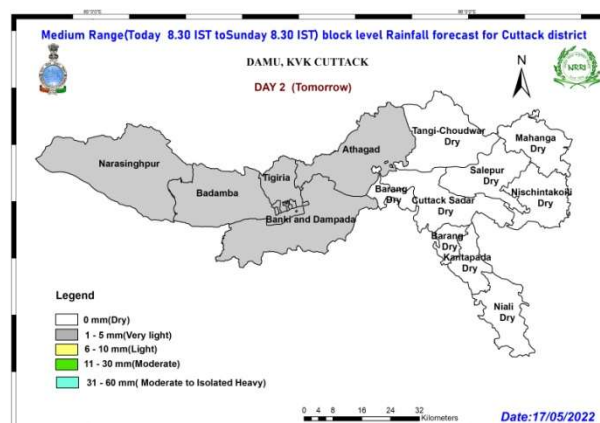
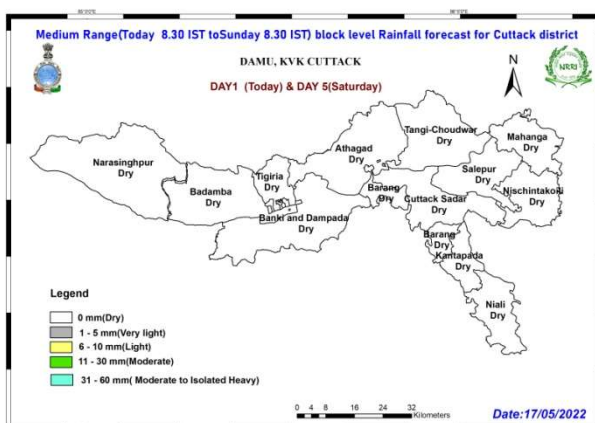


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Past week (10-16 May, 2022) cumulative rainfall departure% from normal and (11 -17 May) average maximum temperature and its departure from normal for Cuttack district



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



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Bulletin No.-296
Date- 17/05/2022

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (22-28 May 2022)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	50.12	Above Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	-0.67	Normal
	Minimum temperature	0.06	Normal

General Agromet Advisory:- As there will be above normal rainfall is forecasted in the subsequent week after 5 days in Odisha condition so farmers are advised to go for summer ploughing in the dry days in the upcoming days and are advised to pause irrigation activities in the subsequent week.

Long range forecast for the 2021 South-west Monsoon seasonal rainfall and Monthly Rainfall Forecast for May 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 is likely to be 99% of the Long Period Average (LPA) with a model error of $\pm 5\%$. The LPA of the season rainfall over the country as a whole for the period 1971-2020 is 87 cm.
- As per monthly outlook for May month there will be above normal rainfall likely to occur at Odisha condition.
- Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.

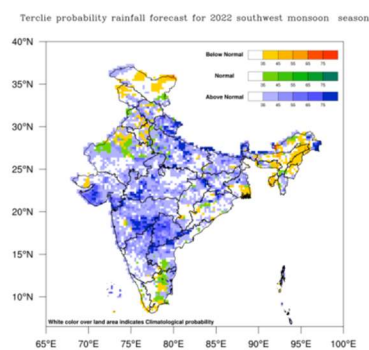


Fig.1. Probability forecast of tercile categories (below normal, normal, and above normal) for the seasonal rainfall over India during the 2022 southwest monsoon season (June-September). The figure illustrates the most likely categories as well as their probabilities. The white shaded areas represent climatological probabilities for all the tercile categories. The probabilities were derived using the MME forecast prepared from a group of four best coupled climate models. (Tercile categories have equal climatological probabilities, of 33.33% each).

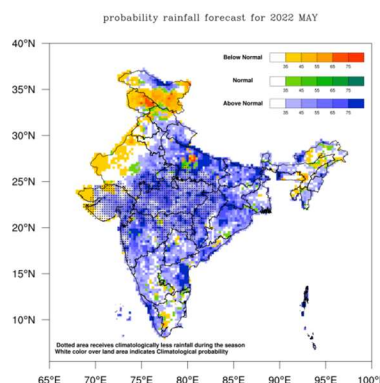


Fig.2. Probability forecast of tercile categories (below normal, normal, and above normal) for the rainfall over India during May 2022. The figure illustrates the most likely categories as well as their probabilities. The dotted area shown in the map climatologically receives very less rainfall and the white shaded areas within the land areas 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.-296
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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	Maize	Vegetative to tasseling/silking		Maize stalk rot
				Fall army worm
				Bnaded Leaf blight
2	Sugarcane	Vegetative		Red rot
				Wilt
3	Jute	Sowing		Weed
4	Brinjal	Fruiting		Phomopsis Blight
				Cercopora leaf spot
5	Tomato	Fruting		Bacterial wilt
6	Okra	Flowering to fruiting		fusarium and phytopthera
				Cercospora leaf spot

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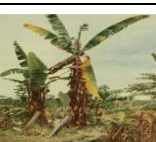

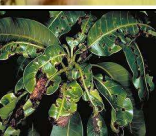

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7	Cucurbits	Flowering to Fruiting stage		Late blight
				Downy Mildew
				Leaf spot
				Stem Rot
				Fruit rot
8	Banana			Banana leaf spot/sigatoka
				Panama wilt
9	Mango	Fruiting stage		Fruit fly
				Anthracnose
10	Papaya	Fruting		phytophthora crown rot or foot rot

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Bulletin No.-296
Date- 17/05/2022

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 4mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (-2°C from normal)** and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May(8.30IST)2022

Weather advisory: *Very light to light rainfall / Thundershower is forecasted for tomorrow to Friday, dry weather is forecasted for other 2days in the block.* The day temperature will be 37-43°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-83% and 12-33% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Athagad(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall (mm)	0	3	6	1	0
T-Max (°C)	37	37	37	42	43
T-Min (°C)	27	28	28	29	29
Cloud Cover (octa)	2	3	7	5	4
RH Max (%)	83	82	81	60	74
RH Min (%)	33	33	31	18	12
Wind Speed (kmph)	23	22	19	13	19
Wind Direction (deg)	198	193	191	199	199

Agromet Advisory

General advisory: **Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.**

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

Maize:

Prolonged dry spell followed by rain may increase the infestation of fall army worm in maize. To control spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water. If there will be infestation of **Stem rotor banded leaf blight** at vegetative stage as rainfall is forecasted, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/litre of water.

Vegetables: After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/litre. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables.

Okra: Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre to control **rot or soil borne fungal disease**. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Brinjal:

If **phomopsis blight** will occur in brinjal, then spray zineb 75%WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/litre of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If 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 clear and dry weather.

Fruit: Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalanyl @ 2.0 g/ litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent **Panama wilt**.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthracnose**. Spray Deltamethrin 2.8% EC to control **fruit fly**.

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-296
Date- 17/05/2022

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 0.4mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (-2°C from normal)** and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May(8.30IST)2022

Weather advisory: *Very light to light rainfall / Thundershower is forecasted for tomorrow to Friday, dry weather is forecasted for other 2 days in the block.* The day temperature will be 37-43°C and night temperature will be 27-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 46-81% and 12-31% 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	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	4	7	1	0
T-Max(°C)	38	38	37	42	43
T-Min(°C)	27	27	27	30	29
Cloud Cover(octa)	3	3	7	5	5
RH Max (%)	80	81	81	46	71
RH Min (%)	31	29	29	17	12
Wind Speed (Kmph)	20	19	15	13	15
Wind Direction (deg)	198	191	171	203	203

Agromet Advisory

General advisory: Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

Maize:

Prolonged dry spell followed by rain may increase the infestation of fall army worm in maize. To control spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water. If there will be infestation of **Stem rotor banded leaf blight** at vegetative stage as rainfall is forecasted, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/litr of water.

Vegetables: After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables.

Okra: Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre to control **rot or soil borne fungal disease**. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Brinjal:

If **phomopsis blight** will occur in brinjal, then spray zineb 75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/litr of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If 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 clear and dry weather.

Fruit: Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent **Panama wilt**.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control

Anthraxnose. Spray Deltamethrin 2.8% EC to control **fruit fly**.

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

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Bulletin No.-296
Date- 17/05/2022

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (-2°C from normal)** and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May(8.30IST)2022

Weather advisory: *Very light to light rainfall / Thundershower is forecasted for tomorrow to Thursday, dry weather is forecasted for other 3 days in the block.* The day temperature will be 37-44°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-83% and 15-34% 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	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	2	5	0	0
T-Max(°C)	37	38	37	42	44
T-Min(°C)	27	28	28	29	29
Cloud Cover(octa)	2	3	7	5	5
RH Max (%)	83	82	81	55	72
RH Min (%)	34	33	32	20	15
Wind Speed (Kmph)	23	22	18	14	19
Wind Direction (deg)	198	193	191	198	199

Agromet Advisory

General advisory: Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

Maize: Prolonged dry spell followed by rain may increase the infestation of fall army worm in maize. To control spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water. If there will be infestation of **Stem rotor banded leaf blight** at vegetative stage as rainfall is forecasted, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/litre of water.

Vegetables: After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/litre. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables.

Okra: Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre to control **rot or soil borne fungal disease**. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Brinjal:

If **phomopsis blight** will occur in brinjal, then spray zineb 75% WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75% WP 2gram/litre of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxchloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit: Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalanyl @ 2.0 g/ litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent **Panama wilt**.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthrachnose**. Spray Deltamethrin 2.8% EC to control **fruit fly**.

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

Dr Sujata Sethy
 (Nodal officer)



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Debasish Jena
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GRAMIN KRISHIMAUSAM 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.-296

Date- 17/05/2022

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 6mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C (-2°C from normal) and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May(8.30IST)2022

Weather Advisory: Very light to light rainfall / Thundershower is forecasted for tomorrow to Thursday, dry weather is forecasted for other 3 days in the block. The day temperature will be 37-44°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-83% and 16-35% 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	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	2	4	0	0
T-Max(°C)	37	38	37	42	44
T-Min(°C)	27	28	28	29	29
Cloud Cover(octa)	2	3	7	5	5
RH Max (%)	83	82	81	56	73
RH Min (%)	35	34	33	21	16
Wind Speed (Kmph)	23	22	19	14	20
Wind Direction (deg)	198	193	191	193	199

Agromet Advisory

General advisory: Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

Maize: Prolonged dry spell followed by rain may increase the infestation of fall army worm in maize. To control spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water. If there will be infestation of **Stem rotor banded leaf blight** at vegetative stage as rainfall is forecasted, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/litre of water.

Vegetables: After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables.

Okra: Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre to control **rot or soil borne fungal disease**. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Brinjal:

If **phomopsis blight** will occur in brinjal, then spray zineb 75% WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75% WP 2gram/litre of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxichloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit: Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g / litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent **Panama wilt**.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthraxnose**. Spray Deltamethrin 2.8% EC to control **fruit fly**.

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-296
Date- 17/05/2022

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 2mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (-2°C from normal)** and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May (8.30IST)2022

Weatheradvisory: Very light to light rainfall / Thundershower is forecasted for Thursday, dry weather is forecasted for other 4days in the block. The day temperature will be 36-43°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-84% and 22-41% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	36	36	37	41	43
T-Min(°C)	28	28	29	28	29
Cloud Cover	3	2	7	4	5
RH Max (%)	84	82	80	65	75
RH Min (%)	38	41	40	27	22
Wind Speed (Kmph)	25	24	24	18	26
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General advisory: Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

Maize: Prolonged dry spell followed by rain may increase the infestation of fall army worm in maize. To control spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water. If there will be infestation of **Stem rotor banded leaf blight** at vegetative stage as rainfall is forecasted, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/litre of water.

Vegetables:

After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/litre. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables .

Okra: Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre to control **rot or soil borne fungal disease**. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Brinjal:

If **phomopsis blight** will occur in brinjal, then spray zineb 75%WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/litre of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If 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 clear and dry weather.

Fruit: Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalanyl @ 2.0 g/ litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent **Panama wilt**.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthracnose**. Spray Deltamethrin 2.8% EC to control **fruit fly**.

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-296
Date- 17/05/2022

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 1mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (-2°C from normal)** and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May (8.30IST)2022

Weather advisory: *Very light to light rainfall / Thundershower is forecasted for Thursday, dry weather is forecasted for other 4 days in the block.* The day temperature will be 36-43°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-83% and 16-37% 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	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	36	36	37	42	43
T-Min(°C)	28	28	28	28	29
Cloud Cover(octa)	2	2	7	5	5
RH Max (%)	83	82	81	61	75
RH Min (%)	35	37	35	21	16
Wind Speed (Kmph)	25	24	22	16	24
Wind Direction (deg)	203	203	203	203	199

Agromet Advisory

General advisory: Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

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.

Vegetables:

After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables .

Okra: Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre to control **rot or soil borne fungal disease**. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Brinjal: If phomopsis blight will occur in brinjal, then spray zineb 75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/litr of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre. Pointed gourd is at flowering and fruiting stage. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If 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 clear and dry weather.

Fruit:

Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent **Panama wilt**.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthracnose**. Spray Deltamethrin 2.8% EC to control **fruit fly**.

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

Dr Sujata Sathy
(Nodal officer)



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Bulletin No.-296
Date- 17/05/2022

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AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 4mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (-2°C from normal)** and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May(8.30IST)2022

Weather advisory: *Very light to light rainfall / Thundershower is forecasted for Thursday, dry weather is forecasted for other 4 days in the block.* The day temperature will be 35-41°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-82% and 28-47% 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	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	35	35	36	40	41
T-Min(°C)	28	28	29	28	29
Cloud Cover(octa)	4	3	7	4	5
RH Max (%)	82	81	80	73	77
RH Min (%)	45	46	47	33	28
Wind Speed (Kmph)	26	25	26	21	28
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General advisory: Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

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.

Vegetables:

After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables.

Okra: Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre to control **rot or soil borne fungal disease**. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Brinjal: If phomopsis blight will occur in brinjal, then spray zineb 75% WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75% WP 2gram/litre of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre. Pointed gourd is at flowering and fruiting stage. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxichloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit:

Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g / litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent **Panama wilt**.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control

Anthracose. Spray Deltamethrin 2.8% EC to control **fruit fly**.

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

Dr Sujata Sethy
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR MAHANGA



Bulletin No.-296

Date- 17/05/2022

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

The block received average 1mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (-2°C from normal)** and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May(8.30IST)2022

Weather advisory: Light rainfall / Thundershower is forecasted for Thursday, dry weather is forecasted for other 4 days in the block.

The day temperature will be and it will be 36-43°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-82% and 18-41% 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	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	0	6	0	0
T-Max(°C)	37	36	37	42	43
T-Min(°C)	28	28	28	28	29
Cloud Cover(octal)	3	2	7	5	5
RH Max (%)	82	81	81	67	77
RH Min (%)	39	40	41	24	18
Wind Speed (Kmph)	25	24	24	20	28
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General advisory: Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

Jute:

The weather is optimum for Jute sowing. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. In Jute field, spray neem oil 10,000ppm @ 3ml/litre of water with sticker or Chlorpyrifos 50 EC @ 2ml/litre of water in the evening hour for preventive measure; **drain out excess water from field.** Realised rain will aggravate **weed problem** in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds

Vegetables:

After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables.

Okra: Spray Metaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre to control **rot or soil borne fungal disease**. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Brinjal: If phomopsis blight will occur in brinjal, then spray zineb 75% WP 2gram/lit of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75% WP 2gram/lit of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Fruit: Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g / litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12% + mancozeb 63% @ 2g/lit to prevent **Panama wilt**.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthraco**se. Spray Deltamethrin 2.8% EC to control **fruit fly**.

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

Dr Sujata Sethy
(Nodal officer)



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INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
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(A Unit of ICAR-National Rice Research Institute)



Bulletin No.-296
Date- 17/05/2022

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

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 2mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (-2°C from normal)** and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May(8.30IST)2022

Weather advisory: *Very light to light rainfall / Thundershower is forecasted for tomorrow to Friday, dry weather is forecasted for other 2 days in the block.* The day temperature will be 37-43°C and night temperature will be 26-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 43-83% and 10-25% 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	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	4	7	1	0
T-Max(°C)	39	39	37	43	42
T-Min(°C)	27	28	26	30	29
Cloud Cover(octa)	4	4	7	6	5
RH Max (%)	77	79	83	43	67
RH Min (%)	24	21	25	14	10
Wind Speed (Kmph)	13	12	10	10	10
Wind Direction (deg)	167	163	180	207	158

Agromet Advisory

General advisory: Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

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.

Vegetables:

After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables.

Okra: Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre to control **rot or soil borne fungal disease**. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Brinjal: If phomopsis blight will occur in brinjal, then spray zineb 75% WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75% WP 2gram/litr of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre. Pointed gourd is at flowering and fruiting stage. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If 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 clear and dry weather.

Fruit:

Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g / litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent **Panama wilt**.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthraco nose**. Spray Deltamethrin 2.8% EC to control **fruit fly**.

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-296
Date- 17/05/2022

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 1mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (-2°C from normal)** and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May(8.30IST)2022

Weather advisory: *Very light to light rainfall / Thundershower is forecasted for Thursday, dry weather is forecasted for other 4 days in the block.* The day temperature will be **35-40°C** and night temperature will be **28-29°C** for upcoming 5 days. Maximum and minimum relative humidity will be 76-81% and 33-52% 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	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	35	35	35	39	40
T-Min(°C)	28	28	29	29	29
Cloud Cover(octa)	4	3	7	5	6
RH Max (%)	81	81	80	76	78
RH Min (%)	50	50	52	40	33
Wind Speed(Kmph)	27	25	27	24	30
Wind Direction(deg)	203	203	203	203	203

Agromet Advisory

General advisory: Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

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.

Vegetables:

After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables .

Okra: Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre to control **rot or soil borne fungal disease**. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Brinjal: If **phomopsis blight** will occur in brinjal, then spray zineb 75% WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75% WP 2gram/litre of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre. Pointed gourd is at flowering and fruiting stage. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxichloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit:

Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent **Panama wilt**.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthracnose**. Spray Deltamethrin 2.8% EC to control **fruit fly**.

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-296
Date- 17/05/2022

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AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 0.4mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (-2°C from normal)** and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May(8.30IST)2022

Weather advisory: *Very light to light rainfall / Thundershower is forecasted for Thursday, dry weather is forecasted for other 4 days in the block.* The day temperature will be 36-43°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-81% and 22-43% 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	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	36	36	37	41	43
T-Min(°C)	28	28	29	28	29
Cloud Cover(octa)	3	2	7	5	5
RH Max (%)	81	81	80	70	77
RH Min (%)	41	42	43	28	22
Wind Speed (Kmph)	25	24	25	21	28
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General advisory: **Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.**

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

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.

Vegetables:

After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables .

Okra: Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre to control **rot or soil borne fungal disease**. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Brinjal: If phomopsis blight will occur in brinjal, then spray zineb 75%WP 2gram/lit of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/lit of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre. Pointed gourd is at flowering and fruiting stage. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If 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 clear and dry weather.

Fruit:

Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent **Panama wilt**.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthraxnose**. Spray Deltamethrin 2.8% EC to control **fruit fly**.

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-296
Date- 17/05/2022

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 2mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (-2°C from normal)** and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May(8.30IST)2022

Weather advisory: *Very light to light rainfall / Thundershower is forecasted for Thursday, dry weather is forecasted for other 4days in the block.* The day temperature will be 36-43°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-82% and 20-42% respectively. **There will be partly cloudy to overcast sky for next 5days.**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	36	36	37	41	43
T-Min(°C)	28	28	28	28	29
Cloud Cover(octa)	3	2	7	5	5
RH Max (%)	82	81	81	68	77
RH Min (%)	40	41	42	26	20
Wind Speed (Kmph)	25	24	25	20	28
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General advisory : **Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.**

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

Maize: Prolonged dry spell followed by rain may increase the infestation of fall army worm in maize. To control spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water. **If there will be infestation of Stem rotor banded leaf blight at vegetative stage as rainfall is forecasted, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/litre of water.**

Jute: The weather is optimum for Jute sowing. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. In Jute field, spray neem oil 10,000ppm @ 3ml/litre of water with sticker or Chlorpyrifos 50 EC @ 2ml/litre of water in the evening hour for preventive measure; **drain out excess water from field.** Realised rain will aggravate **weed problem** in early sown crop. To control grass weeds, apply Quizalofop-pethyl @ 2ml/litre of water at 2-3 leaf stage of weeds

Vegetables:

After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables .

Okra: Spray Metalyxyl+Mancozeb/Carboxin+Thiram @ 2g/litre to control **rot or soil borne fungal disease.** Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot.**

Brinjal: If phomopsis blight will occur in brinjal, then spray zineb 75% WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75% WP 2gram/litre of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Fruit: Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12% + mancozeb 63% @ 2g/lit to prevent **Panama wilt.**

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthraco-nose.** Spray Deltamethrin 2.8% EC to control **fruit fly.**

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

Dr Sujata Sethy
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Bulletin No.-296

Date- 17/05/2022

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 1mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was **35°C (-2°C from normal)** and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May(8.30IST)2022

Weather advisory: *Light rainfall / Thundershower is forecasted for Thursday, dry weather is forecasted for other 4 days in the block.* The day temperature will be 35-39°C and night temperature will be 30°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-81% and 43-59% 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	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	0	6	0	0
T-Max(°C)	35	36	36	37	39
T-Min(°C)	30	30	30	30	30
Cloud Cover(octa)	3	3	7	4	6
RH Max (%)	81	81	80	78	79
RH Min (%)	57	57	59	49	43
Wind Speed (Kmph)	28	26	28	29	33
Wind Direction (deg)	203	203	204	203	203

Agromet Advisory

General advisory: : Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

Maize: Prolonged dry spell followed by rain may increase the infestation of fall army worm in maize. To control spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water. If there will be infestation of **Stem rotor banded leaf blight** at vegetative stage as rainfall is forecasted, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/litr of water.

Vegetables:

After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables.

Okra: Spray Metalaxyl+Mancozeb/Carboxin+Thiram@2g/litre to control **rot or soil borne fungal disease**. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Brinjal:

If **phomopsis blight** will occur in brinjal, then spray zineb 75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/litr of water.

Cucurbits:

Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of **Downy Mildew** in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Fruit:

Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent **Panama wilt**.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthracnose**. Spray Deltamethrin 2.8% EC to control **fruit fly**.

Papaya: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-296
Date- 17/05/2022

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 6mm and district received average 2mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C (-2°C from normal) and 27°C (2°C from normal), respectively. Mean relative humidity of the district was around 73-85%.

Forecasted period: Today(8.30IST) to 22nd May(8.30IST)2022

Weather advisory: Very light to light rainfall / Thundershower is forecasted for tomorrow to Friday, dry weather is forecasted for other 2 days in the block. The day temperature will be 37-43°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-82% and 11-32% 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	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
Rainfall(mm)	0	3	7	1	0
T-Max(°C)	38	38	37	42	43
T-Min(°C)	27	28	28	29	29
Cloud Cover(octa)	3	3	7	5	5
RH Max (%)	81	82	82	54	73
RH Min (%)	32	30	30	17	11
Wind Speed (Kmph)	22	21	17	13	17
Wind Direction (deg)	198	180	191	203	207

Agro met Advisory

General advisory: Farmers are advised to go for summer ploughing as sufficient amount of rainfall was realized in the past.

SUMMER PLOUGHING: In dry sunny days after Friday, go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

GREEN MANURING: Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

Maize: Prolonged dry spell followed by rain may increase the infestation of fall army worm in maize. To control spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water. If there will be infestation of Stem rotor banded leaf blight at vegetative stage as rainfall is forecasted, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/litr of water.

Vegetables:

After rain there may be chances of increase in infestation of wilting in vegetables. To prevent from wilting or partial wilting in brinjal, Chilli and Okra apply Neem or Karanjaa cake and spray (basal + foliar) Tebuconazole fungicide @ 1ml/liter. Foliar spray of 2% DAP + 1% KCl (MOP) is recommended in vegetables.

Okra:

Spray Metalaxyl+Mancozeb/Carboxin+Thiram @ 2g/litre to control rot or soil borne fungal disease. Foliar spraying of Trifloxystrobin 25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.

Brinjal:

If phomopsis blight will occur in brinjal, then spray zineb 75% WP 2gram/litr of water. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb 75% WP 2gram/litr of water.

Cucurbits: Spray of 40 ppm NAA for controlling excessive pre-mature fall of flowering/buds/young developing fruits and pods. There are chances of infestation of Downy Mildew in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Fruit:

Banana: In Banana Drain the excess water as soon as possible. Spray 1% KNO₃ or Urea 2% solution 2-3 times during vegetative to flowering stage. Topdressing of booster dose of 80 g MOP + 100 g Urea per plant in two to three splits at monthly intervals. For leaf spot/sigatoka as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g / litre of water. Drenching soil with Metiram 75% WG @ 1.5g/4 lit or carbendazim 12%+ mancozeb 63% @ 2g/lit to prevent Panama wilt.

Mango: Control measures should be taken against fruit fly. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control Anthracnose. Spray Deltamethrin 2.8% EC to control fruit fly.

Papaya: After rain due to water logging there may be increase in the infestation of phytophthora crown rot or foot rot in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water.

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 Date- 17/05/2022

				
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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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