



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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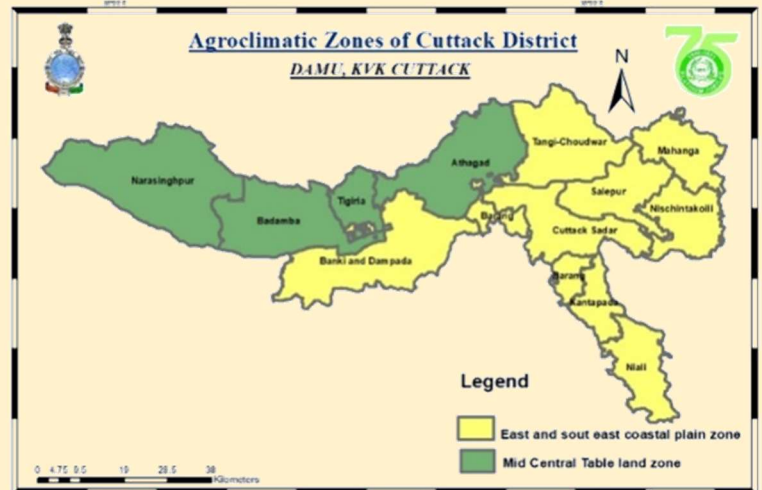


Bulletin No.-487

Date- 19/04/2024

Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday, 19th April, 2024
(For the period 19th to 23th April, 2024)*



*Issued by
District Agromet Unit,
KrishiVigyan Kendra Cuttack*

Dr Sujata Sethy
(Nodal officer)



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



Debasish Jena
SMS (Agrometeorology)
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STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)		
<div style="background-color: #90EE90; padding: 5px; text-align: center; margin-bottom: 10px;"> Standardised Precipitation Index for the period 28th September to 25th October 2023 </div> <div style="text-align: center;"> <p>MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p>STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 28 SEPTEMBER TO 25 OCTOBER 2023</p> </div>	<div style="text-align: center;"> <p>NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 15 (08.04.2024 to 14.04.2024) over Agricultural region</p> <p>Odisha</p> </div> <div style="margin-top: 10px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border: none;"> <ul style="list-style-type: none"> <li style="display: flex; align-items: center; margin-bottom: 2px;"> -9999 - 0 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0 - 0.05 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.05 - 0.1 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.1 - 0.15 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.15 - 0.2 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.2 - 0.25 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.25 - 0.3 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.3 - 0.35 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.35 - 0.4 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.4 - 0.45 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.45 - 0.5 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.5 - 0.55 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.55 - 0.6 <li style="display: flex; align-items: center; margin-bottom: 2px;"> > 0.6 </td> <td style="width: 50%; border: none; padding-left: 10px;"> <ul style="list-style-type: none"> <li style="margin-bottom: 2px;">Bare soil, rocks clouds, rain, snow, etc. <li style="margin-bottom: 2px;">Moderate <li style="margin-bottom: 2px;">Good <li style="margin-bottom: 2px;">Very good </td> </tr> </table> </div> <p style="text-align: center; margin-top: 10px;">Agriculture vigour is good at isolated places of the state.</p>	<ul style="list-style-type: none"> <li style="display: flex; align-items: center; margin-bottom: 2px;"> -9999 - 0 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0 - 0.05 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.05 - 0.1 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.1 - 0.15 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.15 - 0.2 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.2 - 0.25 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.25 - 0.3 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.3 - 0.35 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.35 - 0.4 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.4 - 0.45 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.45 - 0.5 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.5 - 0.55 <li style="display: flex; align-items: center; margin-bottom: 2px;"> 0.55 - 0.6 <li style="display: flex; align-items: center; margin-bottom: 2px;"> > 0.6 	<ul style="list-style-type: none"> <li style="margin-bottom: 2px;">Bare soil, rocks clouds, rain, snow, etc. <li style="margin-bottom: 2px;">Moderate <li style="margin-bottom: 2px;">Good <li style="margin-bottom: 2px;">Very good
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<p><i>As per SPI value (cumulative 4weeks -28 September to 25 October 2023), mildly dry condition was there in Cuttack district.</i></p>	<p><i>According to NDVI map (08.04.2024 to 14.04.2024) the agriculture vigor was very lighttolightover maximum western blocksof Cuttack district and light to moderate over isolated places of Mahanga, Nischintakoili, Tangichoudwar, Salepur, Kantapada and Banki-damapada .</i></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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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	Tomato	Fruting	 Bacterial wilt
2	Okra	Vegetative to fruiting	 Yellow vein mosaiv(YMV)
			 fusarium and phytopthera
			 Cercospera leaf spot
3	Cucurbits	Flowering to Fruiting stage	 Late blight
			 Downy Mildew
			 Leaf spot
			 Stem Rot
			 Fruit rot
4	Mango	Fruiting stage	 Fruit borer
			 Anthracnose

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Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block. The day temperature will be 39-42°C and night temperature will be 24-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 40-80% and 06-16% respectively. There will be clear sky for next 5days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall (mm)	0	0	5	7	9
T-Max (°C)	41	41	42	40	39
T-Min (°C)	24	26	27	28	29
Cloud Cover (octa)	0	1	6	6	7
RH Max (%)	79	75	80	40	55
RH Min (%)	6	15	16	12	14
Wind Speed (kmph)	14	14	14	16	14
Wind Direction (deg)	180	207	180	333	296

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

Summer Maize: Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables: Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3days.

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.

Okra: To control Yellow Vain Mosaic Virus (YVMV) in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease. 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.

Cucurbits: Late Blight may happen due to rising day temperature. 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:

Mango: For control of mango fruit borer spray Neem oil 3ml + chloripyriphos 1 ml per litre of water along with stickers at marble stage of the fruit. The spraying should be preferably carried out during evening hours. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control

Anthracnose.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-487
Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block. The day temperature will be 39-43°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 41-70% and 07-16% respectively. There will be clear sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	5	6	8
T-Max(°C)	41	42	43	40	39
T-Min(°C)	24	25	26	26	27
Cloud Cover(octa)	0	2	6	6	6
RH Max (%)	68	70	70	41	45
RH Min (%)	7	14	16	13	15
Wind Speed (Kmph)	11	11	12	16	13
Wind Direction (deg)	191	203	165	335	289

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

Summer Maize:

Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables:Vegetables: Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3days.

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.

Okra: To control Yellow Vain Mosaic Virus (YVMV) in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease. 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 Difenoconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.

Cucurbits: Late Blight may happen due to rising day temperature. 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 Oxylchloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit:

Mango: For control of mango fruit borer spray Neem oil 3ml + chloripyriphos 1 ml per litre of water along with stickers at marble stage of the fruit. The spraying should be preferably carried out during evening hours. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control Anthracnose.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-487
Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weather advisory; Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block. The day temperature will be 39-42°C and night temperature will be 24-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 39-77% and 07-19% respectively. **There will be clear sky for next 5days.**

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	5	7	8
T-Max(°C)	41	40	42	40	39
T-Min(°C)	24	25	26	28	28
Cloud Cover(octa)	0	2	6	6	7
RH Max (%)	76	75	77	39	53
RH Min (%)	7	18	19	12	15
Wind Speed (Kmph)	13	15	14	17	14
Wind Direction (deg)	180	206	180	338	225

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

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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.

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Cucutbits:Late **Blight** may happen due to rising day temperature. 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.

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Fruit:

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Animal husbandry:

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Dr Sujata Sethy
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Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPADA

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

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	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	5	7	8
T-Max(°C)	41	40	42	40	39
T-Min(°C)	24	26	26	28	29
Cloud Cover(octa)	0	1	6	6	7
RH Max (%)	77	76	78	39	54
RH Min (%)	7	19	19	12	15
Wind Speed (Kmph)	13	15	14	16	14
Wind Direction (deg)	180	207	180	338	225

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In dry sunny days, 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.

Summer Maize:

Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables: Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3days.

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.

Okra: To control Yellow Vain Mosaic Virus (YVMV) in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease. 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 Difenoconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.

Cucurbits: Late Blight may happen due to rising day temperature. 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:

Mango: For control of mango fruit borer spray Neem oil 3ml + chloripyriphos 1 ml per litre of water along with stickers at marble stage of the fruit. The spraying should be preferably carried out during evening hours. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control Anthracnose.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-487
Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weatheradvisory: Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block. The day temperature will be 38-41°C and night temperature will be 25-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 40-84% and 09-24% respectively. There will be clear sky for next 5days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	5	8	10
T-Max(°C)	41	38	40	41	39
T-Min(°C)	25	27	27	29	30
Cloud Cover	0	1	5	7	7
RH Max (%)	84	81	82	40	67
RH Min (%)	9	24	21	10	15
Wind Speed (Kmph)	16	21	17	13	15
Wind Direction (deg)	203	203	206	335	225

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

Summer Maize:

Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables: Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3days.

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.

Okra: To control Yellow Vain Mosaic Virus (YVMV) in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease. 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 Difenoconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.

Cucurbits: Late Blight may happen due to rising day temperature. 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:

Mango: For control of mango fruit borer spray Neem oil 3ml + chloripyriphos 1 ml per litre of water along with stickers at marble stage of the fruit. The sprayings should be preferably carried out during evening hours. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control Anthracnose.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-487
Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block. The day temperature will be 38-40°C and night temperature will be 25-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 40-83% and 07-18% respectively. **There will be clear sky for next 5days.**

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	5	7	9
T-Max(°C)	40	39	40	40	38
T-Min(°C)	25	27	27	29	30
Cloud Cover(octa)	0	1	5	7	7
RH Max (%)	83	79	80	40	62
RH Min (%)	7	18	17	11	14
Wind Speed (Kmph)	16	18	15	14	15
Wind Direction (deg)	203	207	200	315	293

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

Summer Maize:

Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables:Vegetables: Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3days.

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.

Okra: To control **Yellow Vain Mosaic Virus (YVMV)** in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease.SprayMetalxyyl+Mancozeb/Carboxin+Thiram@2g/litre to control **rot or soil borne fungal disease.**Foliar spraying of Trifloxystrobin25% + tebuconazole 50% WG @ 1g/lit or Difenoconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot.**

Cucutbits:Late **Blight** may happen due to rising day temperature. 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:

Mango: For control of mango **fruit borer** spray Neem oil 3ml + chloripyriphos 1 ml perlitre of water along with stickers at marble stage of the fruit. The sprayingshould be preferably carried out during evening hours.Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthraxnose.**

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-487
Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weatheradvisory: Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block. The day temperature will be 37-42°C and night temperature will be 26-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 39-87% and 11-34% respectively. **There will be clear sky for next 5days.**

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	5	8	10
T-Max(°C)	39	37	39	42	39
T-Min(°C)	26	27	27	30	30
Cloud Cover(octa)	0	1	4	7	6
RH Max (%)	87	82	84	39	72
RH Min (%)	14	34	29	11	17
Wind Speed (Kmph)	19	24	21	10	15
Wind Direction (deg)	201	203	204	335	205

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

Summer Maize:

Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables:Vegetables: Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3days.

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.

Okra: To control Yellow Vain Mosaic Virus (YVMV) in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease. 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.

Cucurbits: Late Blight may happen due to rising day temperature. 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:

Mango: For control of mango fruit borer spray Neem oil 3ml + chloripyriphos 1 ml per litre of water along with stickers at marble stage of the fruit. The sprayings should be preferably carried out during evening hours. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control Anthracnose.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-487
Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block. The day temperature will be and it will be 39-41°C and night temperature will be 26-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 38-83% and 08-20% respectively. **There will be clear sky for next 5days.**

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	5	8	10
T-Max(°C)	41	39	40	41	39
T-Min(°C)	26	27	28	30	30
Cloud Cover(octal)	0	1	5	7	7
RH Max (%)	83	78	79	38	61
RH Min (%)	8	20	18	13	15
Wind Speed (Kmph)	18	21	17	11	15
Wind Direction (deg)	200	207	203	300	281

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

Summer Maize:

Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables:Vegetables: Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3days.

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.

Okra: To control **Yellow Vain Mosaic Virus (YVMV)** in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease.SprayMetalaxyl+Mancozeb/Carboxin+Thiram@2g/litre to control **rot or soil borne fungal disease**.Foliar spraying of Trifloxystrobin25% + tebuconazole 50% WG @ 1g/lit or Difenconazole @ 1ml/lit at 15 days interval to control **Cercospora leaf spot**.

Cucurbits:Late Blight may happen due to rising day temperature. 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:

Mango: For control of mango **fruit borer** spray Neem oil 3ml + chloripyriphos 1 ml perlitre of water along with stickers at marble stage of the fruit. The sprayingshould be preferably carried out during evening hours.Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthraxnose**.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

Dr Sujata Sethy
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Bulletin No.-487
Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weatheradvisory: *Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block.* The day temperature will be 39-44°C and night temperature will be 23-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 45-65% and 07-16% respectively. **There will be clear sky for next 5days.**

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	4	6	8
T-Max(°C)	42	44	44	39	39
T-Min(°C)	23	25	26	24	25
Cloud Cover(octa)	0	3	7	6	6
RH Max (%)	60	65	56	46	45
RH Min (%)	7	10	14	16	15
Wind Speed (Kmph)	7	7	8	13	10
Wind Direction (deg)	203	180	180	332	293

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

Summer Maize:

Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables: **Vegetables:** Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3days.

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.

Okra: To control Yellow Vain Mosaic Virus (YVMV) in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease. 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 Difenoconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.

Cucutbits: Late Blight may happen due to rising day temperature. 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:

Mango: For control of mango fruit borer spray Neem oil 3ml + chloripyriphos 1 ml per litre of water along with stickers at marble stage of the fruit. The spraying should be preferably carried out during evening hours. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control Anthracnose.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-487
Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block. The day temperature will be 35-42°C and night temperature will be 26-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-88% and 16-42% respectively. There will be clear sky for next 5days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	5	8	10
T-Max(°C)	38	35	38	42	40
T-Min(°C)	26	27	27	29	29
Cloud Cover(octa)	0	0	4	6	5
RH Max (%)	88	84	85	51	76
RH Min (%)	21	42	34	16	18
Wind Speed(Kmph)	22	26	23	9	16
Wind Direction(deg)	201	203	204	285	205

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

Summer Maize: Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables: Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3days.

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.

Okra: To control Yellow Vain Mosaic Virus (YVMV) in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease. 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.

Cucurbits: Late Blight may happen due to rising day temperature. 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:

Mango: For control of mango fruit borer spray Neem oil 3ml + chloripyriphos 1 ml per litre of water along with stickers at marble stage of the fruit. The sprayings should be preferably carried out during evening hours. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control Anthracnose.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-487
Date- 19/04/2024

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block. The day temperature will be 39-41°C and night temperature will be 26-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 37-84% and 10-24% respectively. There will be clear sky for next 5days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	5	7	9
T-Max(°C)	40	39	40	41	39
T-Min(°C)	26	27	27	30	30
Cloud Cover(octa)	0	1	5	7	7
RH Max (%)	84	79	80	37	64
RH Min (%)	10	24	21	14	16
Wind Speed (Kmph)	18	22	18	10	15
Wind Direction (deg)	200	204	206	330	210

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

Summer Maize:

Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables: Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3days.

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.

Okra: To control Yellow Vain Mosaic Virus (YVMV) in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease. 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 Difenoconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.

Cucutbits: Late Blight may happen due to rising day temperature. 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:

Mango: For control of mango fruit borer spray Neem oil 3ml + chloripyriphos 1 ml per litre of water along with stickers at marble stage of the fruit. The sprayings should be preferably carried out during evening hours. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control Anthracnose.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-487
Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block. The day temperature will be 38-41°C and night temperature will be 26-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 38-83% and 09-22% respectively. **There will be clear sky for next 5days.**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	5	7	9
T-Max(°C)	40	39	40	41	38
T-Min(°C)	26	27	28	30	30
Cloud Cover(octa)	0	1	5	7	7
RH Max (%)	83	79	80	38	63
RH Min (%)	9	22	20	13	16
Wind Speed (Kmph)	17	22	17	11	15
Wind Direction (deg)	200	204	206	300	281

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

Summer Maize:

Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables:Vegetables: Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3days.

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.

Okra: To control Yellow Vain Mosaic Virus (YVMV) in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease. 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.

Cucurbits: Late Blight may happen due to rising day temperature. 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:

Mango: For control of mango fruit borer spray Neem oil 3ml + chloripyriphos 1 ml per litre of water along with stickers at marble stage of the fruit. The spraying should be preferably carried out during evening hours. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control Anthracnose.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-487
Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weatheradvisory: Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block. The day temperature will be 37-42°C and night temperature will be 28-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-88% and 24-52% respectively. **There will be clear sky for next 5days.**

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	4	6	8
T-Max(°C)	40	37	39	42	41
T-Min(°C)	28	29	29	30	30
Cloud Cover(octa)	0	0	4	6	5
RH Max (%)	88	83	85	76	76
RH Min (%)	36	52	45	30	24
Wind Speed (Kmph)	25	29	27	13	18
Wind Direction (deg)	203	203	204	255	180

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

Summer Maize:

Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables:Vegetables: Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3days.

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.

Okra: To control **Yellow Vain Mosaic Virus (YVMV)** in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease. 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**.

Cucurbits: **Late Blight** may happen due to rising day temperature. 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:

Mango: For control of mango **fruit borer** spray Neem oil 3ml + chloripyriphos 1 ml per litre of water along with stickers at marble stage of the fruit. The spraying should be preferably carried out during evening hours. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control **Anthraco**se.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-487
Date- 19/04/2024

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39.02°C (+1.75 from normal) and 25.37°C (1.27 from normal), respectively. The mean relative humidity was 56-69%.

Forecasted period: Today(8.30IST) to 24th April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today and tomorrow and very light to light rainfall is forecasted in between Sunday to Tuesday in the block. The day temperature will be 39-42°C and night temperature will be 24-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 41-77% and 06-16% respectively. There will be clear sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	19/04/2024	20/04/2024	21/04/2024	22/04/2024	23/04/2024
Rainfall(mm)	0	0	5	7	8
T-Max(°C)	41	41	42	40	39
T-Min(°C)	24	26	27	27	28
Cloud Cover(octa)	0	1	6	6	7
RH Max (%)	74	73	77	41	50
RH Min (%)	6	14	16	13	15
Wind Speed (Kmph)	12	12	13	16	14
Wind Direction (deg)	165	180	160	333	296

Crop specific Agro-met Advisory

General advisory:

Farmers are advised to go for summer ploughing in the dry days and prepare the field for kharif sowing. As increase in day temperature condition (40°C or nearby) likely to prevail in next 5 days, so farmers should cover the soil with natural/straw mulch and advised to strengthen the field bund to conserve present soil moisture.

SUMMER PLOUGHING:

In dry sunny days, 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.

Summer Maize:

Where Maize is a standing crop now, at their critical growth stage of soil moisture/irrigation i.e tasseling to silking stage to grain formation which stage demands high water/soil moisture content due to high LAI. Water deficit at that stage will negatively affect the fertilization, grain number per cob, and as a result, the final yield of maize is reduced, So Farmers are advised to maintain proper moisture in the maize crop by giving light irrigation as per requirement.

Vegetables: Farmers should go for irrigation especially in flowering to fruiting stage of vegetables due to anticipation of increase in day temperature after 3 days.

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.

Okra: To control Yellow Vain Mosaic Virus (YVMV) in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease. 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 Difenoconazole @ 1ml/lit at 15 days interval to control Cercospora leaf spot.

Cucurbits: Late Blight may happen due to rising day temperature. 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:

Mango: For control of mango fruit borer spray Neem oil 3ml + chloripyriphos 1 ml per litre of water along with stickers at marble stage of the fruit. The sprayings should be preferably carried out during evening hours. Spray the foliage with Tebuconazole 50% + Trifloxystrobin 25% WG @ 1g/lit to control Anthracnose.

Animal husbandry:

As THI likely to be above 72, to escape dairy animals from thermal stress, make necessary arrangement for clean and sufficient drinking water with sufficient fodder crops for the animals. Keep farm animals indoor during the day time period.

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.-487
Date- 19/04/2024

				
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- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.
<https://play.google.com/store/apps/details?id=com.aas.meghdoot>
- Kindly install and use **“Damini mobile App”** for location specific for lightening forecast and warnings.
<https://play.google.com/store/apps/details?id=com.lightening.live.damini>
- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

1	ICAR-NRRI, Cuttack, Odisha	https://icar-nrri.in/agromate/	
2	Agrimet division, IMD, Pune	https://imdagrimet.gov.in/imdproject/AGIndex.php	

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