



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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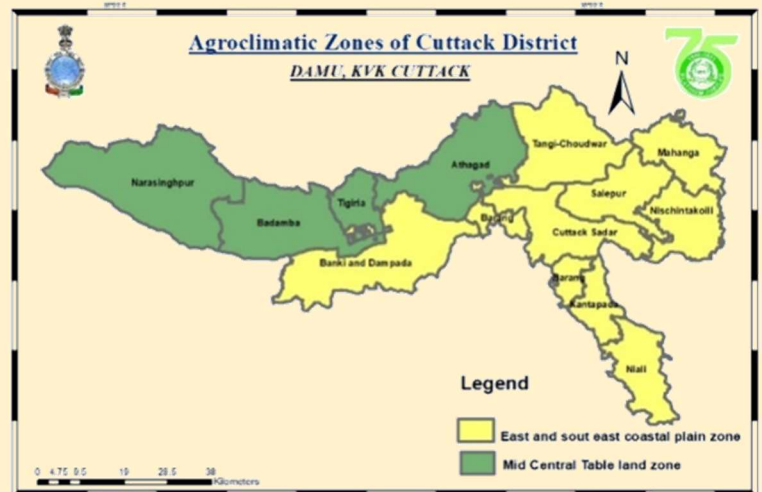


Bulletin No.-486

Date- 16/04/2024

Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Tuesday, 16th April, 2024
(For the period 16th to 20th April, 2024)*



*Issued by
District Agromet Unit,
KrishiVigyan Kendra Cuttack*

Dr Sujata Sethy
(Nodal officer)



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STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p align="center">Standardised Precipitation Index for the period 28th September to 25th October 2023</p>	<p align="center">NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 14 (01.04.2024 to 07.04.2024) over Agricultural region</p> <p align="center">Odisha</p> <p align="center">Agriculture vigour is good at isolated places of the state.</p>
<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 (01.04.2024 to 07.04.2024) 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
[Blue]	Below Normal	< 2°C from normal
[Green]	Normal	-2°C to +2°C from normal
[Yellow]	Above Normal	>2°C from normal
















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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	Pulses (Green gram and black gram)	Flowering to pod development		Rust
				Wilting
2	Maize	Vegetative		False army worm
				Red hairy catterpillar
3	Brinjal	Fructing		Fruit and shoot borer
				Phomopsis Blight
				Epilachna Beetle/Hadda beetle
				Cercospera leaf spot
				Helicoverpa caterpillar
4	Tomato	Fruting		Bacterial wilt
5	Okra	Vegetative to fructing		Yellow vein mosaiv(YMV)

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6	Cucurbits	Flowering to Fruiting stage		Red Pumpkin beetle
				Leaf spot
				Late blight
				Stem Rot
				Downy Mildew
				Fruit rot
7	Mango	Fruiting stage		Fruit borer
				Fruit drop
				Bacterial Canker

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Bulletin No.-486
Date- 16/04/2024

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 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weather advisory: *Dry weather is forecasted for today to Saturday in the block.* The day temperature will be 39-41°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-88% and 08-19% respectively. There will be clear sky for next 5days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	39	39	41	40	39
T-Min (°C)	26	24	24	24	26
Cloud Cover (octa)	4	2	1	1	3
RH Max (%)	55	73	86	88	83
RH Min (%)	18	16	8	16	19
Wind Speed (kmph)	12	11	12	14	13
Wind Direction (deg)	203	206	165	167	199

Crop specific Agro-met Advisory

General advisory: *Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.*

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litre of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litre of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 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. To control **bacterialcanker**, three sprays of streptocycline (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-486
Date- 16/04/2024

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 2 mm and district received average 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today to Saturday in the block. The day temperature will be 40-41°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 48-83% and 09-18% respectively. There will be clear sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	40	40	41	41	40
T-Min(°C)	25	24	23	23	25
Cloud Cover(octa)	4	2	1	1	3
RH Max (%)	48	60	73	83	72
RH Min (%)	17	16	9	14	18
Wind Speed (Kmph)	11	10	11	11	12
Wind Direction (deg)	198	23	160	180	191

Crop specific Agro-met Advisory

General advisory: Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If wilting will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of Red hairy caterpillar in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of Epilachna Beetle/Haddabeetle in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL: Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If phomopsis blight will occur in brinjal, then spray zineb75%WP 2gram/litr of water. Cercopspera leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If helicoverpa infestation will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage Red Pumpkin Beetle in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. 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. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control fruit drop, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango fruit borer spray Neem oil 3ml + chlorpyrifos 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. To control bacterial canker, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-486
Date- 16/04/2024

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weather advisory; Dry weather is forecasted for today to Saturday in the block. The day temperature will be 39-41°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-86% and 09-22% respectively. There will be clear sky for next 5days.

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	39	39	41	39	39
T-Min(°C)	26	24	24	24	25
Cloud Cover(octa)	3	2	1	1	3
RH Max (%)	53	68	83	86	81
RH Min (%)	18	17	9	19	22
Wind Speed (Kmph)	13	12	12	15	14
Wind Direction (deg)	203	203	160	167	199

Crop specific Agro-met Advisory

General advisory: Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water.**Cercopspera leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water.If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water.For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 1 ml perlitre of water along with stickers at marble stage of the fruit. The sprayingshould be preferably carried out during evening hours. To control **bacterialcanker**, three sprays of streptomycine (100 ppm) or Agrimycin-100 (100 ppm)after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

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(Nodal officer)



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Bulletin No.-486
Date- 16/04/2024

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPADA

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

The block received average 0 mm and district received average 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weather Advisory: Dry weather is forecasted for today to Saturday in the block. The day temperature will be 38-41°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-87% and 17-23% respectively. There will be clear sky for next 5days.

Block	Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	39	39	41	39	38
T-Min(°C)	26	24	24	24	26
Cloud Cover(octa)	3	2	1	1	3
RH Max (%)	53	70	84	87	82
RH Min (%)	18	17	9	20	23
Wind Speed (Kmph)	13	12	12	15	15
Wind Direction (deg)	203	203	165	167	199

Crop specific Agro-met Advisory

General advisory: Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercopspera leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 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. To control **bacterial canker**, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-486
Date- 16/04/2024

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 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weatheradvisory: *Dry weather is forecasted for today to Saturday in the block.* The day temperature will be 38-41°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-93% and 11-26% respectively. There will be clear sky for next 5days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	38	38	41	38	38
T-Min(°C)	26	25	25	25	27
Cloud Cover	3	2	1	1	3
RH Max (%)	61	81	93	90	87
RH Min (%)	18	18	11	26	26
Wind Speed (Kmph)	15	14	14	20	19
Wind Direction (deg)	207	203	200	203	203

Crop specific Agro-met Advisory

General advisory: *Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.*

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercopspera leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 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. To control **bacterialcanker**, three sprays of streptocycline (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-486
Date- 16/04/2024

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 1 mm and district received average 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weather advisory: *Dry weather is forecasted for today to Saturday in the block.* The day temperature will be 38-41°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-92% and 08-21% respectively. There will be clear sky for next 5days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	39	38	41	39	38
T-Min(°C)	26	25	25	25	27
Cloud Cover(octa)	3	2	1	1	2
RH Max (%)	60	78	92	90	86
RH Min (%)	18	17	8	19	21
Wind Speed (Kmph)	14	12	14	17	16
Wind Direction (deg)	205	200	200	201	204

Crop specific Agro-met Advisory

General advisory: *Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.*

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercopspera leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 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. To control **bacterialcanker**, three sprays of streptocycline (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-486
Date- 16/04/2024

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 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today to Saturday in the block. The day temperature will be 36-39°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 64-94% and 17-37% respectively. There will be clear sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	38	39	36	37
T-Min(°C)	27	25	26	26	27
Cloud Cover(octa)	1	1	0	0	2
RH Max (%)	64	84	94	89	88
RH Min (%)	21	21	17	37	37
Wind Speed (Kmph)	18	17	17	23	22
Wind Direction (deg)	203	205	197	203	203

Crop specific Agro-met Advisory

General advisory: Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercopspera leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverta** infestation will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 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. To control **bacterial canker**, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-486
Date- 16/04/2024

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 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today to Saturday in the block. The day temperature will be and it will be 38-40°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 62-91% and 10-25% respectively. There will be clear sky for next 5days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	39	38	40	39	38
T-Min(°C)	26	25	25	26	27
Cloud Cover(octal)	3	2	0	1	2
RH Max (%)	62	78	91	88	86
RH Min (%)	19	19	10	20	25
Wind Speed (Kmph)	15	13	16	19	19
Wind Direction (deg)	206	205	200	203	203

Crop specific Agro-met Advisory

General advisory: Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercopspera leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 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. To control **bacterial canker**, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

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Bulletin No.-486
Date- 16/04/2024

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 2 mm and district received average 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today to Saturday in the block. The day temperature will be 40-42°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 41-77% and 09-16% respectively. There will be clear sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	41	40	41	44	42
T-Min(°C)	25	24	23	23	25
Cloud Cover(octa)	4	2	1	1	3
RH Max (%)	41	50	57	77	58
RH Min (%)	16	13	9	10	16
Wind Speed (Kmph)	8	8	7	7	8
Wind Direction (deg)	207	203	135	117	240

Crop specific Agro-met Advisory

General advisory: Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercopspera leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicopterpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 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. To control **bacterial canker**, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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Bulletin No.-486
Date- 16/04/2024

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 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today to Saturday in the block. The day temperature will be 35-38°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-94% and 22-46% respectively. **There will be clear sky for next 5 days.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	37	38	35	36
T-Min(°C)	27	26	26	26	28
Cloud Cover(octa)	1	1	0	0	2
RH Max (%)	66	87	94	89	88
RH Min (%)	25	26	22	46	44
Wind Speed(Kmph)	20	20	19	25	24
Wind Direction(deg)	203	207	200	203	203

Crop specific Agro-met Advisory

General advisory: Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for inter-cultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/ltr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/ltr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/ltr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 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. To control **bacterial canker**, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry: Make necessary arrangement for clean and sufficient drinking water for the animals.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-486
Date- 16/04/2024

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 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weatheradvisory: *Dry weather is forecasted for today to Saturday in the block.* The day temperature will be 38-40°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-92% and 13-27% respectively. There will be clear sky for next 5days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	38	38	40	39	38
T-Min(°C)	27	25	26	26	27
Cloud Cover(octa)	3	2	0	1	2
RH Max (%)	63	80	92	88	86
RH Min (%)	20	19	13	25	27
Wind Speed (Kmph)	16	15	16	21	20
Wind Direction (deg)	206	205	200	203	203

Crop specific Agro-met Advisory

General advisory: *Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.*

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercopspera leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 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. To control **bacterialcanker**, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-486
Date- 16/04/2024

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 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weather advisory: *Dry weather is forecasted for today to Saturday in the block.* The day temperature will be 38-40°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-92% and 11-26% respectively. There will be clear sky for next 5days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	39	38	40	39	38
T-Min(°C)	26	25	25	26	27
Cloud Cover(octa)	3	2	0	1	2
RH Max (%)	63	79	92	89	86
RH Min (%)	19	19	11	23	26
Wind Speed (Kmph)	15	14	16	20	20
Wind Direction (deg)	206	205	200	203	203

Crop specific Agro-met Advisory

General advisory: *Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.*

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and **Thiodicarb@250g/acre at 15 days interval**. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercopspera leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicopterpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 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. To control **bacterialcanker**, three sprays of streptocycline (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-486
Date- 16/04/2024

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 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weather advisory: Dry weather is forecasted for today to Saturday in the block. The day temperature will be 37-40°C and night temperature will be 29-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-91% and 32-55% respectively. There will be clear sky for next 5days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	40	40	40	37	37
T-Min(°C)	30	29	29	29	30
Cloud Cover(octa)	1	1	0	0	2
RH Max (%)	70	86	91	88	88
RH Min (%)	32	34	39	55	55
Wind Speed (Kmph)	23	23	23	28	28
Wind Direction (deg)	212	203	201	203	203

Crop specific Agro-met Advisory

General advisory: Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercopspera leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicopterpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 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. To control **bacterialcanker**, three sprays of streptocycline (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

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Bulletin No.-486
Date- 16/04/2024

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 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 35.31°C (-2.11 from normal) and 23.3°C (-0.71 from normal), respectively. The mean relative humidity was 58-63%.

Forecasted period: Today(8.30IST) to 21st April (8.30IST)2024

Weatheradvisory: *Dry weather is forecasted for today to Saturday in the block.* The day temperature will be 39-41°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-86% and 08-18% respectively. There will be clear sky for next 5days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/04/2024	17/04/2024	18/04/2024	19/04/2024	20/04/2024
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	39	39	41	41	40
T-Min(°C)	26	24	24	24	26
Cloud Cover(octa)	4	2	1	1	3
RH Max (%)	51	68	81	86	78
RH Min (%)	17	16	8	15	18
Wind Speed (Kmph)	11	10	11	12	12
Wind Direction (deg)	207	206	160	161	191

Crop specific Agro-met Advisory

General advisory: *Farmers should harvest the matured crops and vegetables in dry days. Farmers may go for intercultural operations, fertilizer and pesticide application in the upcoming dry days. They should start sowing of summer vegetables by utilizing past rain water. They should provide mulching material or polythene cover to recently planted vegetables seedling to protect from increase in day temperature.*

Pulses:

Harvest matured pulses in dry days. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control.

Summer Maize:

There may be increase the infestation of **Red hairy caterpillar** in maize after rainfall, to minimize the infestation farmers may spray Neem oil 5ml/ltr of water or Chlorpyrifos 20 % EC @ 2ml/litre of water. 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.**

Vegetables:

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.

Brinjal:

There are chances of infestation of **Epilachna Beetle/Haddabeetle** in Brinjal and cucurbits crop; to manage Epilachna Beetle in cucurbits, spray neem-based pesticide (Azadirachtin) 1500 PPM @ 3ml/litre of water at early stage of infestation; to manage Epilachna Beetle chemically, spray Chlorpyrifos 20 % EC @ 2ml/litre of water or Profenophos 50 % EC @ 2ml/litre of water.

FRUIT AND SHOOT BORER IN BRINJAL-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercopspera leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **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. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot. High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. 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:

Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 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. To control **bacterialcanker**, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended.

Animal husbandry:

Make necessary arrangement for clean and sufficient drinking water for the animals.

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.-486
Date- 16/04/2024

				
MEGHDOOT APP	DAMINI APP	FACEBOOK (Damu Cuttack)	BLOCK SPECIFIC WHAT'S APP GROUPS	@DAMUCUTTACK

- 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://imdagrmet.gov.in/imdproject/AGIndex.php	

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