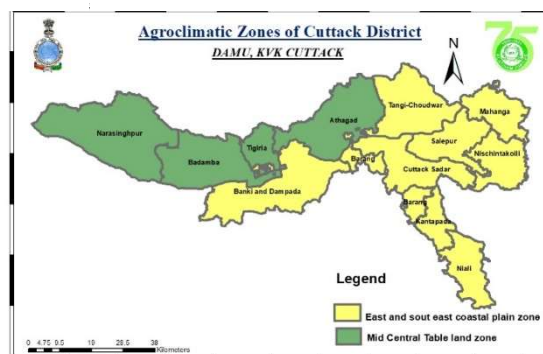
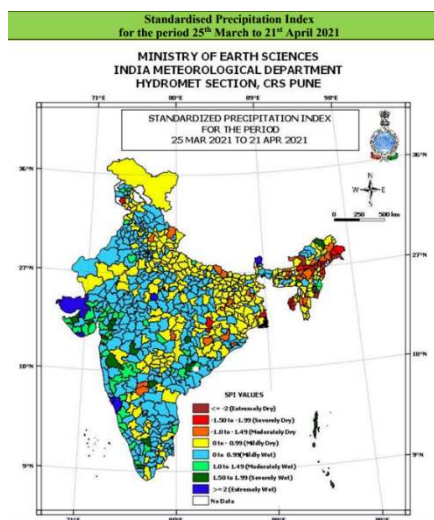


AGROCLIMATIC ZONES OF CUTTACK DISTRICT:

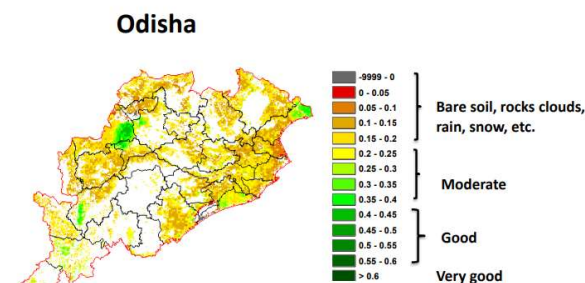


STANDARD PRECIPITATION INDEX AND NDVI MAP



As per SPI value (cumulative 4weeks -25 March 2021 to 21April 2021), Mildly wet condition was there in Cuttack district.

NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 16
 (16.04.2021 to 22.04.2021) over Agricultural region



Agriculture vigour is good over isolated places of the state.

According to NDVI map (16.04.2021 to 22.04.2021) the agriculture vigor was Very light to light over many of the blocks of Cuttack district.

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 rainfall	66-115 mm
	Very heavy rainfall	116-205 mm
	Extremely heavy rainfall	>206 mm

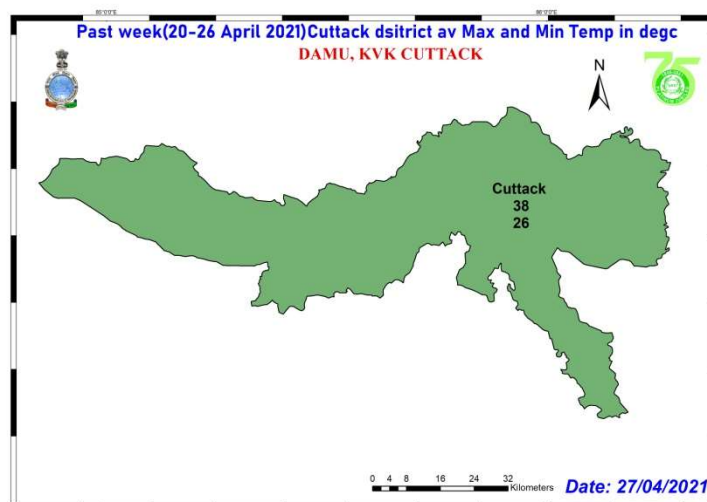
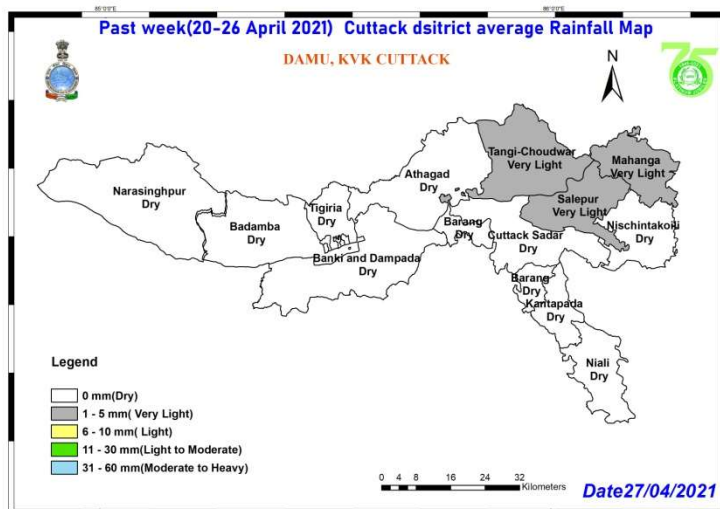


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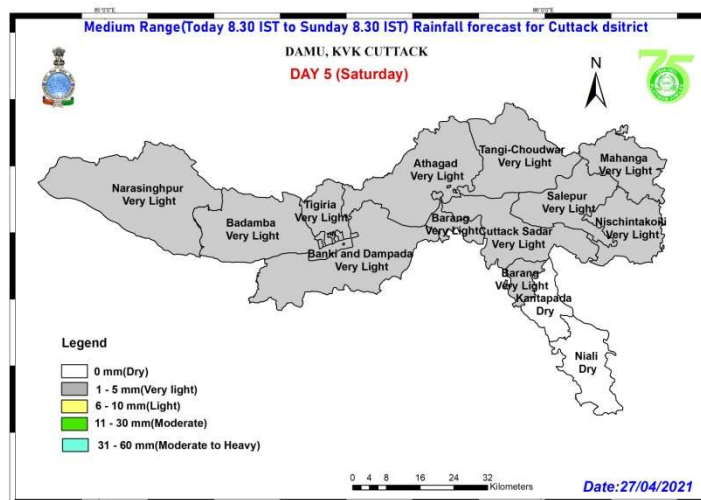
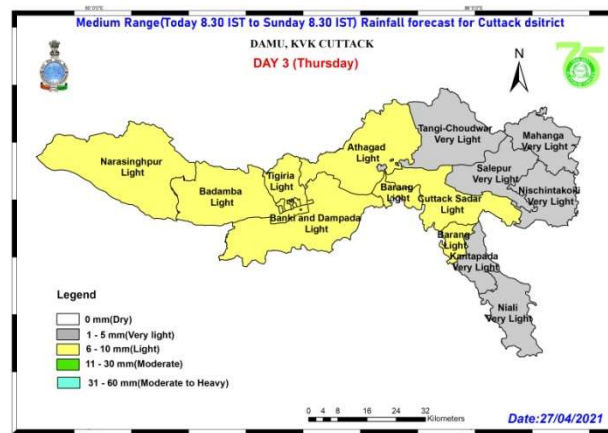
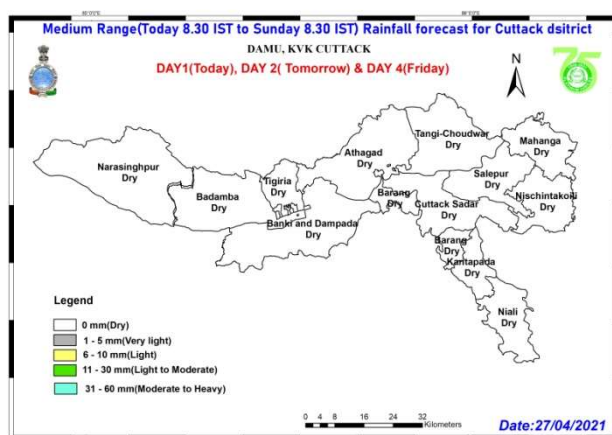


Bulletin No.-188
Date- 27/04/2021

Past week (20-26 April 2021) Cuttack district Rainfall and Temperature map



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



Dr Sujata Sethy
 (Nodal officer)



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SMS (Agrometeorology)
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Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (02 nd May to 8 th May 2021)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	+246.64	Above Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	-1.67	Below Normal
	Minimum temperature	-1.06	Normal

General Agromet Advisory:- As there was mild wet condition in last four weeks at Cuttack district and very light to light rainfall is also forecasted for upcoming Thursday and Saturday in the district so farmers may stop their irrigations before that rainy days based upon soil moisture conditions but *they should continue up to Wednesday as above 40c maximum temp was realized in last 2-3 days.* However there will be **above normal rainfall** in subsequent week after 5 days (2-8 May 2021) in Odisha condition, so farmers are advised to complete summer ploughing in that week by utilization of rain water

Long range forecast for the 2021 South-west Monsoon seasonal rainfall

- Southwest monsoon seasonal (June to September) rainfall over the country as a whole is most likely to be **normal (96 to 104 % of Long Period Average (LPA))**.
- Quantitatively, the monsoon seasonal (June to September) rainfall is likely to be **98% of the Long Period Average (LPA) with a model error of $\pm 5\%$** . The LPA of the season rainfall over the country as a whole for the period 1961-2010 is 88 cm.
- **Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.**

Tercile probability rainfall forecast for 2021 southwest monsoon season

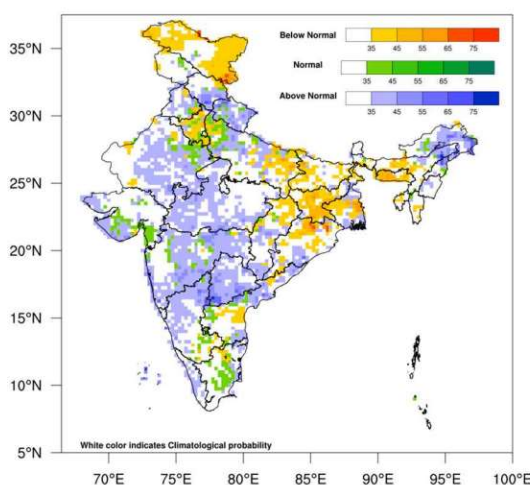












Fig.1.Probability forecast of tercile categories* (below normal, normal and above normal) for the seasonal rainfall over India during the 2021 southwest monsoon season (June-September). The figure illustrates the most likely categories as well as their probabilities. The white shaded areas represent climatological probabilities. The probabilities were derived using the MME forecast prepared from a group of best coupled climate models. (Tercile categories have equal climatological probabilities, of 33.33% each).

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)	pod development		Rust
				Wilting
2	Maize	Vegetative to tasseling/silking		Maize stalk rot
				Fall army worm
				Red hairy caterpillar
3	Brinjal	Fruiting		Fruit and shoot borer
				Phomopsis Blight
				Epilachna Beetle/Hadda beetle
				Cercospora leaf spot
				Helicoverpa caterpillar

4	Tomato	Fruting		Bacterial wilt
5	Okra	Vegetative to fruiting		Yellow vein mosaiv(YMV)
6	Cucurbits	Flowering to Fruiting stage		Red Pumpkin bettle
				Leaf spot
				Late blight
				Stem Rot
				Downy Mildew
				Fruit rot
7	Banana			Banana leaf spot/sigatoka
				Pseudo stem weevil
8	Mango	Fruiting stage		Fruit borer
				Fruit drop
				Bacterial Canker
				Mango fruit fly



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Bulletin No.-188
Date- 27/04/2021

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 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weather advisory: *Light rainfall/Thundershower is forecasted for Thursday and very light rainfall is forecasted for Saturday and dry weather is forecasted for other 3 days in the block.* The day temperature will be 34-39°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 94-97% and 09-31% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall (mm)	0	0	6	0	2
T-Max (°C)	39	38	37	36	34
T-Min (°C)	25	25	25	25	25
Cloud Cover (octa)	1	1	3	2	4
RH Max (%)	94	96	97	94	95
RH Min (%)	9	15	18	21	31
Wind Speed (kmph)	12	16	20	19	19
Wind Direction (deg)	195	193	180	180	180

Agromet Advisory

General advisory: *Farmers should harvest the matured crops and vegetables before Thursday. They should go for summer ploughing in this week after receiving of rainfall and should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.*

Pulses: Harvest matured pulses before Tuesday. **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: If there was infestation of **Stem rot** at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. **To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water**

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

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. **Cercopspera 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 Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit:

Banana: For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil@ 2.0 g/ litre of water. For **pseudo stem weevil** Suggested to give stem injection with 5 ml Chloropyrifos or Dimethoate or spray 2.5 ml of Chloropyrifos per litre of water.

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. For **fruit fly** Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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.-188
Date- 27/04/2021

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 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weather advisory: **Light rainfall/Thundershower is forecasted for Thursday and very light rainfall is forecasted for Saturday and dry weather is forecasted for other 3 days in the block.** The day temperature will be 35-40°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-95% and 08-30% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	6	0	2
T-Max(°C)	40	39	38	37	35
T-Min(°C)	25	24	24	24	24
Cloud Cover(octa)	1	1	2	3	4
RH Max (%)	85	94	95	89	91
RH Min (%)	8	14	18	21	30
Wind Speed (Kmph)	10	14	17	17	18
Wind Direction (deg)	165	162	180	167	161

Agromet Advisory

General advisory: **Farmers should harvest the matured crops and vegetables before Thursday. They should go for summer ploughing in this week after receiving of rainfall and should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.**

Pulses: **Harvest matured pulses before Tuesday. 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: If there was infestation of **Stem rot** at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. **To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water**

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

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 Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit:

Banana: For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. For **pseudo stem weevil** Suggested to give stem injection with 5 ml Chloropyrifos or Dimethoate or spray 2.5 ml of Chloropyrifos per litre of water.

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. For **fruit fly** Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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

Dr Sujata Sethy
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Bulletin No.-188
Date- 27/04/2021

AGROMET ADVISORY BULLETIN FORBANKI

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

The block received average 0 mm and district received average 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weather advisory: **Light rainfall/Thundershower is forecasted for Thursday** and very light rainfall is forecasted for Saturday and dry weather is forecasted for other 3 days in the block. The day temperature will be 34-40°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-96% and 10-35% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	6	0	2
T-Max(°C)	40	38	37	36	34
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	1	0	2	2	4
RH Max (%)	92	95	96	92	94
RH Min (%)	10	18	22	24	35
Wind Speed (Kmph)	13	17	20	19	20
Wind Direction (deg)	197	193	180	167	162

Agromet Advisory

General advisory: Farmers should harvest the matured crops and vegetables before Thursday. They should go for summer ploughing in this week after receiving of rainfall and should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.

Pulses: Harvest matured pulses before Tuesday. 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.

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Bulletin No.-188
Date- 27/04/2021

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week average weather condition

The district received average 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weather Advisory: *Light rainfall/Thundershower is forecasted for Thursday and very light rainfall is forecasted for Saturday and dry weather is forecasted for other 3 days in the block.* The day temperature will be 33-40°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-96% and 11-35% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	6	0	2
T-Max(°C)	40	38	37	36	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	1	0	2	2	4
RH Max (%)	92	95	96	92	94
RH Min (%)	11	18	22	25	35
Wind Speed (Kmph)	13	17	20	19	20
Wind Direction (deg)	197	193	180	167	162

Agromet Advisory

General advisory: *Farmers should harvest the matured crops and vegetables before Thursday. They should go for summer ploughing in this week after receiving of rainfall and should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.*

Pulses: Harvest matured pulses before Tuesday. **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: If there was infestation of **Stem rot** at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. **To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water**

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

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 Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit:

Banana: For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. For **pseudo stem weevil** Suggested to give stem injection with 5 ml Chloropyrifos or Dimethoate or spray 2.5 ml of Chloropyrifos per litre of water.

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. For **fruit fly** Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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.-188
Date- 27/04/2021

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 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weather advisory: Light rainfall/Thundershower is forecasted for Thursday and very light rainfall is forecasted for Saturday and dry weather is forecasted for other 3 days in the block. The day temperature will be 32-38°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 95-97% and 14-36% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	6	0	1
T-Max(°C)	38	37	35	34	32
T-Min(°C)	26	26	25	25	25
Cloud Cover	1	0	2	2	4
RH Max (%)	96	97	96	95	95
RH Min (%)	14	20	24	27	36
Wind Speed (Kmph)	16	20	21	19	20
Wind Direction (deg)	203	201	201	201	193

Agromet Advisory

General advisory: Farmers should harvest the matured crops and vegetables before Thursday. They should go for summer ploughing in this week after receiving of rainfall and should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.

Pulses: Harvest matured pulses before Tuesday. 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: If there was infestation of Stem rot at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water

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

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 Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit:

Banana: For leaf spot/sigatoka as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. For pseudo stem weevil Suggested to give stem injection with 5 ml Chloropyrifos or Dimethoate or spray 2.5 ml of Chloropyrifos per litre of water.

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. For fruit fly Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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.-188
Date- 27/04/2021

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 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weather advisory: Light rainfall/Thundershower is forecasted for Thursday and very light rainfall is forecasted for Saturday and dry weather is forecasted for other 3 days in the block. The day temperature will be 33-38°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 95-97% and 11-33% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	6	0	1
T-Max(°C)	38	37	36	35	33
T-Min(°C)	26	26	25	25	25
Cloud Cover(octa)	1	1	2	2	4
RH Max (%)	96	97	97	95	95
RH Min (%)	11	17	20	24	33
Wind Speed (Kmph)	14	18	20	19	20
Wind Direction (deg)	197	201	198	198	193

Agromet Advisory

General advisory: Farmers should harvest the matured crops and vegetables before Thursday. They should go for summer ploughing in this week after receiving of rainfall and should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.

Pulses: Harvest matured pulses before Tuesday. **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: If there was infestation of **Stem rot** at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. **To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water**

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

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/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 Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit:

Banana: For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalanyl @ 2.0 g/ litre of water. For **pseudo stem weevil** Suggested to give stem injection with 5 ml Chloropyrifos or Dimethoate or spray 2.5 ml of Chloropyrifos per litre of water.

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. For **fruit fly** Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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.-188
Date- 27/04/2021

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 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weatheradvisory: *Very Light rainfall/Thundershower is forecasted for Thursday and dry weather is forecasted for other 4 days in the block.* The day temperature will be 31-37°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 93-96% and 20-41% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Kantapada(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	37	35	34	33	31
T-Min(°C)	27	26	26	25	25
Cloud Cover(octa)	0	0	2	2	4
RH Max (%)	96	96	95	95	93
RH Min (%)	20	25	31	34	41
Wind Speed (Kmph)	18	20	20	18	19
Wind Direction (deg)	201	203	203	203	201

Agromet Advisory

General advisory: *Farmers should harvest the matured crops and vegetables before Thursday. They should wait for summer ploughing till receiving of sufficient rainfall and after they should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.*

Pulses: Harvest matured pulses before Tuesday. 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: If there was infestation of Stem rot at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water

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

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:

Banana: For leaf spot/sigatoka as a precautionary measure spray carbendizim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. For pseudo stem weevil Suggested to give stem injection with 5 ml Chloropyrifos or Dimethoate or spray 2.5 ml of Chloropyrifos per litre of water.

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. For fruit fly Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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.-188
Date- 27/04/2021

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 2 mm and district received average 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weather advisory: *Very Light rainfall/Thundershower is forecasted for Thursday and Saturday and dry weather is forecasted for other 3 days in the block.* The day temperature will be and it will be 33-38°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-97% and 14-34% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Mahanga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	3	0	1
T-Max(°C)	38	37	35	35	33
T-Min(°C)	26	25	25	25	25
Cloud Cover(octal)	0	0	2	1	4
RH Max (%)	94	97	96	93	91
RH Min (%)	14	20	24	27	34
Wind Speed (Kmph)	16	19	20	20	20
Wind Direction (deg)	199	198	201	201	198

Agromet Advisory

General advisory: *Farmers should harvest the matured crops and vegetables before Thursday. They should go for summer ploughing in this week after receiving of rainfall and should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.*

Pulses: *Harvest matured pulses before Tuesday. 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: If there was infestation of **Stem rot** at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. **To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water**

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

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 Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit:

Banana: For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. For **pseudo stem weevil** Suggested to give stem injection with 5 ml Chloropyrifos or Dimethoate or spray 2.5 ml of Chloropyrifos per litre of water.

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. For **fruit fly** Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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.-188
Date- 27/04/2021

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 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weather advisory: *Light rainfall/Thundershower is forecasted for Thursday and very light rainfall is forecasted for Saturday and dry weather is forecasted for other 3days in the block.* The day temperature will be 35-41°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-96% and 07-24% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	7	0	2
T-Max(°C)	39	41	38	37	35
T-Min(°C)	24	22	22	23	23
Cloud Cover(/octa)	0	1	1	3	4
RH Max (%)	80	94	96	86	87
RH Min (%)	7	9	14	17	24
Wind Speed (Kmph)	7	9	12	13	12
Wind Direction (deg)	161	158	180	158	161

Agromet Advisory

General advisory: *Farmers should harvest the matured crops and vegetables before Thursday. They should go for summer ploughing in this week after receiving of rainfall and should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.*

Pulses: Harvest matured pulses before Tuesday. 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: If there was infestation of Stem rot at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water

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

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 Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit:

Banana: For leaf spot/sigatoka as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. For pseudo stem weevil Suggested to give stem injection with 5 ml Chloropyrifos or Dimethoate or spray 2.5 ml of Chloropyrifos per litre of water.

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. For fruit fly Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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.-188
Date- 27/04/2021

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 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weatheradvisory: *Very Light rainfall/Thundershower is forecasted for Thursday and dry weather is forecasted for other 4 days in the block.* The day temperature will be 32-36°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-95% and 27-45% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	36	35	33	33	32
T-Min(°C)	27	26	26	25	25
Cloud Cover(octa)	1	0	2	2	5
RH Max (%)	95	95	94	94	92
RH Min (%)	27	31	38	39	45
Wind Speed(Kmph)	20	21	20	19	18
Wind Direction(deg)	203	203	203	203	203

Agromet Advisory

General advisory: *Farmers should harvest the matured crops and vegetables before Thursday. They should wait for summer ploughing till receiving of sufficient rainfall and after they should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.*

Pulses: Harvest matured pulses before Tuesday. 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: If there was infestation of Stem rot at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water

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

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:

Banana: For leaf spot/sigatoka as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalanil @ 2.0 g/ litre of water. For pseudo stem weevil Suggested to give stem injection with 5 ml Chlorpyrifos or Dimethoate or spray 2.5 ml of Chlorpyrifos per litre of water.

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. For fruit fly Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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.-188

Date- 27/04/2021

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 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weather advisory: *Very Light rainfall/Thundershower is forecasted for Thursday and Saturday and dry weather is forecasted for other 3 days in the block.* The day temperature will be 32-37°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-97% and 16-37% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	3	0	2
T-Max(°C)	37	37	35	34	32
T-Min(°C)	26	26	25	25	25
Cloud Cover(octa)	0	0	2	1	4
RH Max (%)	94	97	96	93	92
RH Min (%)	16	22	26	29	37
Wind Speed (Kmph)	17	20	20	19	20
Wind Direction (deg)	199	198	201	203	198

Agromet Advisory

General advisory: *Farmers should harvest the matured crops and vegetables before Thursday. They should go for summer ploughing in this week after receiving of rainfall and should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.*

Pulses: Harvest matured pulses before Tuesday. 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: If there was infestation of **Stem rot** at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. **To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water**

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

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 Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit:

Banana: For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil@ 2.0 g/ litre of water. For **pseudo stem weevil** Suggested to give stem injection with 5 ml Chloropyrifos or Dimethoate or spray 2.5 ml of Chloropyrifos per litre of water.

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. For **fruit fly** Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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.-188
Date- 27/04/2021

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 3 mm and district received average 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weather advisory: *Very Light rainfall/Thundershower is forecasted for Thursday and Saturday and dry weather is forecasted for other 3 days in the block.* The day temperature will be 32-38°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-97% and 15-36% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	4	0	2
T-Max(°C)	38	37	35	34	32
T-Min(°C)	26	26	25	25	25
Cloud Cover(octa)	0	0	2	2	4
RH Max (%)	95	97	96	94	92
RH Min (%)	15	21	24	28	36
Wind Speed (Kmph)	16	20	20	19	20
Wind Direction (deg)	199	198	201	201	198

Agromet Advisory

General advisory: *Farmers should harvest the matured crops and vegetables before Thursday. They should go for summer ploughing in this week after receiving of rainfall and should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.*

Pulses: Harvest matured pulses before Tuesday. 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: If there was infestation of **Stem rot** at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. **To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water**

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

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 Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Fruit:

Banana: For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil@ 2.0 g/ litre of water. For **pseudo stem weevil** Suggested to give stem injection with 5 ml Chloropyrifos or Dimethoate or spray 2.5 ml of Chloropyrifos per litre of water.

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. For **fruit fly** Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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.-188
Date- 27/04/2021

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 2 mm and district received average 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weather advisory: *Very Light rainfall/Thundershower is forecasted for Thursday and Saturday and dry weather is forecasted for other 3 days in the block.* The day temperature will be 34-38°C and night temperature will be 27°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-93% and 37-53% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	4	0	1
T-Max(°C)	38	37	36	36	34
T-Min(°C)	27	27	27	27	27
Cloud Cover(octa)	0	0	2	1	5
RH Max (%)	92	93	90	90	88
RH Min (%)	37	41	46	47	53
Wind Speed (Kmph)	22	22	22	20	21
Wind Direction (deg)	203	203	203	203	204

Agromet Advisory

General advisory: *Farmers should harvest the matured crops and vegetables before Thursday. They should go for summer ploughing in this week after receiving of rainfall and should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.*

Pulses: Harvest matured pulses before Tuesday. 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: If there was infestation of Stem rot at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water

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

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:

Banana: For leaf spot/sigatoka as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalnil @ 2.0 g/ litre of water. For pseudo stem weevil Suggested to give stem injection with 5 ml Chloropyrifos or Dimethoate or spray 2.5 ml of Chloropyrifos per litre of water.

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 streptocycline (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended. For fruit fly Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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

Dr Sujata Sethy
(Nodal officer)



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(A Unit of ICAR-National Rice Research Institute)



Email: kvkcuttack@gmail.com

Bulletin No.-188
Date- 27/04/2021

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 0.48 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 26°C, respectively. Mean relative humidity of the district was around 72-62%.

Forecasted period: Today(8.30IST) to 02nd May (8.30IST)2021

Weatheradvisory: *Light rainfall/Thundershower is forecasted for Thursday and very light rainfall is forecasted for Saturday and dry weather is forecasted for other 3days in the block.* The day temperature will be 35-40°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-96% and 08-30% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Tigiria(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	28/04/2021	29/04/2021	30/04/2021	01/05/2021	02/05/2021
Rainfall(mm)	0	0	6	0	2
T-Max(°C)	40	39	38	37	35
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	1	1	2	2	4
RH Max (%)	90	95	96	92	94
RH Min (%)	8	14	17	20	30
Wind Speed (Kmph)	11	15	19	19	19
Wind Direction (deg)	160	167	180	167	162

Agromet Advisory

General advisory: *Farmers should harvest the matured crops and vegetables before Thursday. They should go for summer ploughing in this week after receiving of rainfall and should start sowing of green manuring crop like Dhancha or sunhemp and also go for planting of vegetables immediately after rain.*

Pulses: Harvest matured pulses before Tuesday. 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: If there was infestation of **Stem rot** at vegetative stage as rainfall was realized in past, farmers may drench the crop root with Mancozeb 35.0%SC 3gram/ltr of water or validamycin 2ml/ltr of water and there may 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. **To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water**

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

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:

Banana: For **leaf spot/sigatoka** as a precautionary measure spray carbendazim + mancozeb @ 2.0 g / litre of water followed by (15 days after) chlorothalanil @ 2.0 g/ litre of water. For **pseudo stem weevil** Suggested to give stem injection with 5 ml Chloropyrifos or Dimethoate or spray 2.5 ml of Chloropyrifos per litre of water.

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. For **fruit fly** Spray 4 g Carbaryl 50 WP or 1.7 ml Dimethoate 30 EC dilute with 10 g Jaggery solution at the time of fruit maturity.

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

Dr Sujata Sethy
(Nodal officer)



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