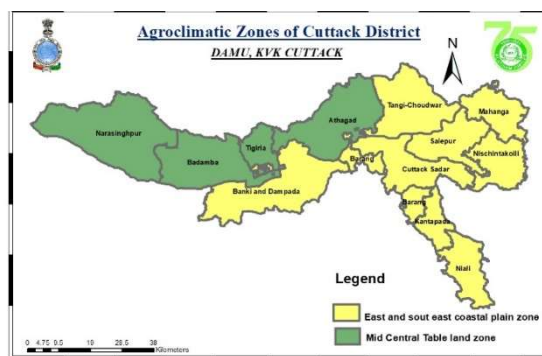
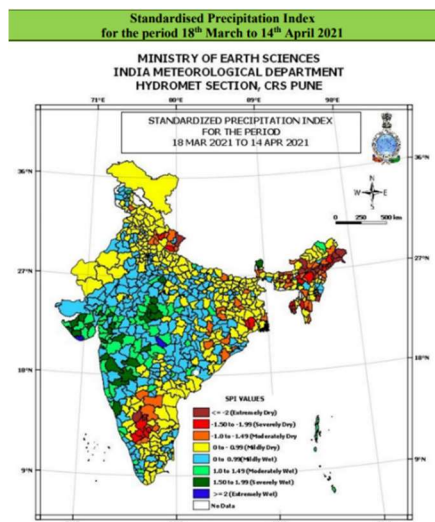


AGROCLIMATIC ZONES OF CUTTACK DISTRICT:

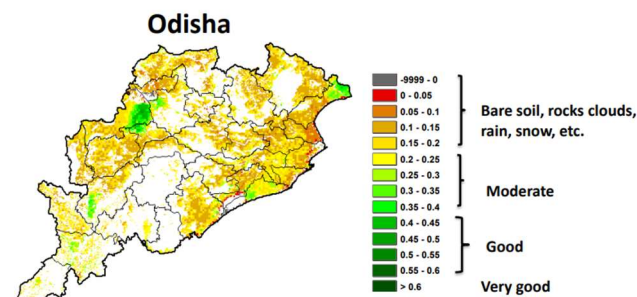


STANDARD PRECIPITATION INDEX AND NDVI MAP



As per SPI value (cumulative 4weeks - 18March 2021 to 14 April 2021), Mildly wet condition was there in Cuttack district.

NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 15 (09.04.2021 to 15.04.2021) over Agricultural region



Agriculture vigour is good over isolated places of the state.

According to NDVI map (09.04.2021 to 15.04.2021) 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

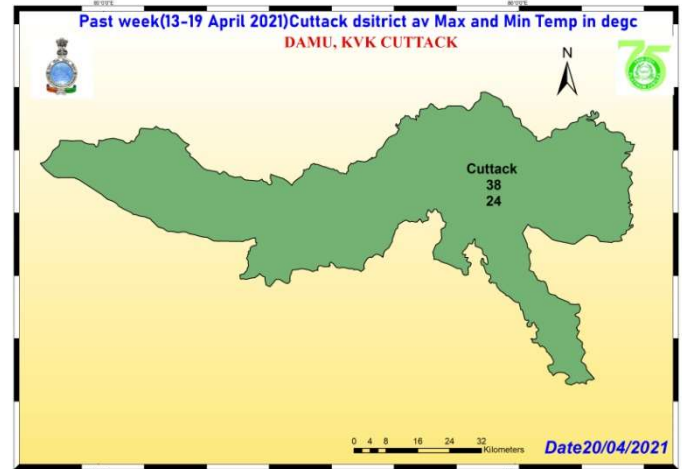
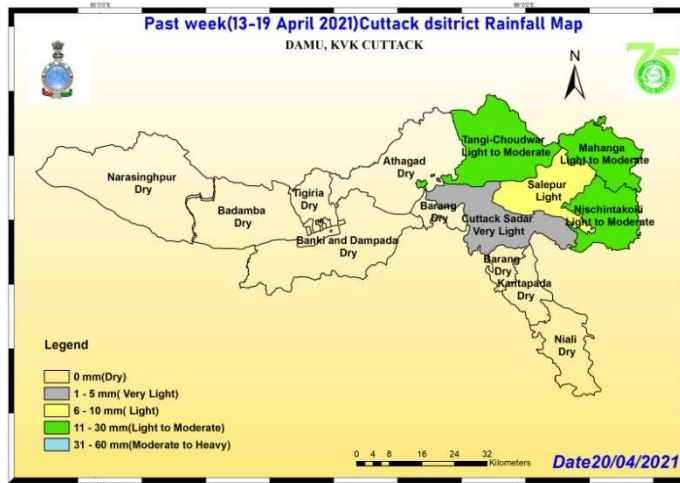


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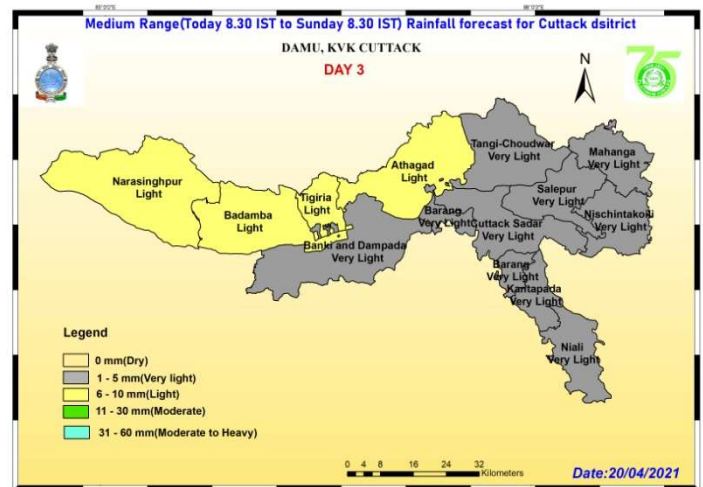
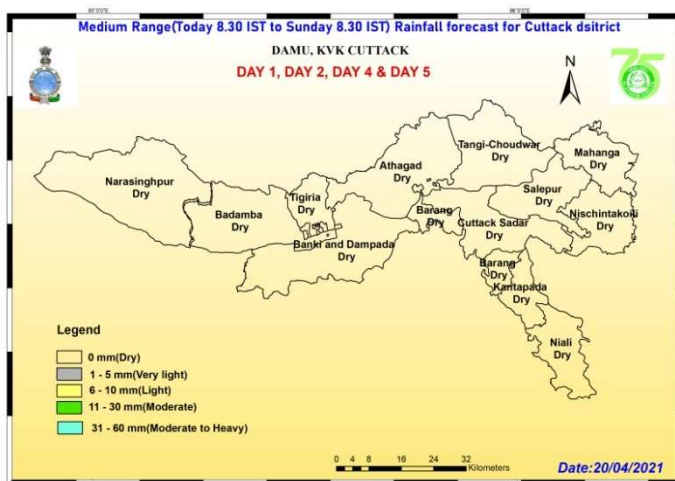


Bulletin No.-186
Date- 20/04/2021

Past week (13-19 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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Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (25 th April to 1 st May 2021)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	-31.40	Below Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	0.70	Normal
	Minimum temperature	-0.77	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 Saturday and Monday in the district so farmers may stop their irrigations now a days however there will be below normal rainfall in subsequent week after 5 days (25th April to 1st May 2021) in Odisha condition, so farmers are advised to continue their irrigation activities based upon soil moisture status and rainfall forecast in the subsequent week.

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

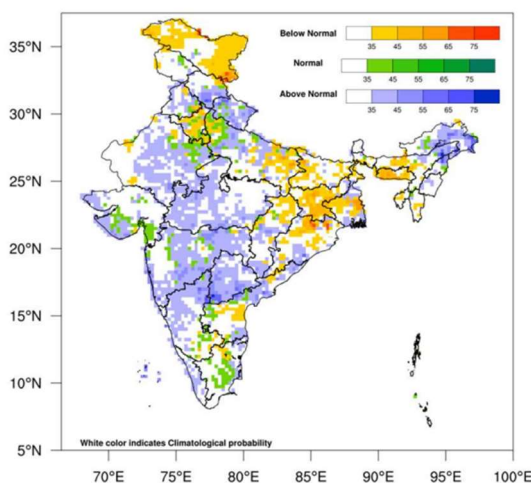












Fig.1.Probability forecast of tercile categories* (below normal, normal and above normal) for the seasonal rainfall over India during the 2021 southwest monsoon season (June-September). The figure illustrates the most likely categories as well as their probabilities. The white shaded areas represent 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)	Flowering to pod development		Cercospora Leaf spot
				Leaf blight
				Rust
				Wilting
2	Maize	Vegetative		Maize stalk rot
				Red hairy cattrpillar
3	Brinjal	Fruiting		Fruit and shoot borer
				Phomopsis Blight
				Epilachna Beetle/Hadda beetl
				Cercospera 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



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Bulletin No.-186
Date- 20/04/2021

AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (8.30IST)2021

Weather advisory: **Light rainfall/Thundershower is forecasted for Thursday** and dry weather is forecasted for other 4 days in the block. The day temperature will be 36-38°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-95% and 16-23% 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	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall (mm)	0	0	6	0	0
T-Max (°C)	36	37	38	38	38
T-Min (°C)	25	26	27	26	25
Cloud Cover (octa)	1	2	4	3	2
RH Max (%)	83	82	74	92	95
RH Min (%)	23	19	18	16	19
Wind Speed (kmph)	14	14	10	12	14
Wind Direction (deg)	193	180	180	191	180

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. 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. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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 zineb 75%WP 2gram/ltr of water. If helioverpa 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 Chlorpyrifos or Dimethoate or spray 2.5 ml of Chlorpyrifos per litre of water.

Mango: 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.-186
Date- 20/04/2021

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

The block received 0 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (8.30IST)2021

Weatheradvisory: **Light rainfall/Thundershower is forecasted for Thursday and dry weather is forecasted for other 4 days in the block.** The day temperature will be 37-39°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-90% and 14-22% 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	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	7	0	0
T-Max(°C)	37	38	39	39	39
T-Min(°C)	25	26	26	25	25
Cloud Cover(octa)	1	3	4	3	2
RH Max (%)	69	64	63	89	90
RH Min (%)	22	18	18	14	19
Wind Speed (Kmph)	13	13	8	11	13
Wind Direction (deg)	193	191	180	161	167

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. 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. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If helioverpa 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: 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 spraying 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.

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.-186
Date- 20/04/2021

AGROMET ADVISORY BULLETIN FORBANKI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (8.30IST)2021

Weather advisory: 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 36-39°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-94% and 17-25% 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	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	5	0	0
T-Max(°C)	36	38	39	39	38
T-Min(°C)	25	26	27	26	25
Cloud Cover(octa)	1	2	4	3	2
RH Max (%)	80	80	70	92	94
RH Min (%)	25	19	18	17	20
Wind Speed (Kmph)	15	15	10	11	15
Wind Direction (deg)	193	193	189	165	193

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. 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. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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.

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Cucurbits: To manage Red Pumpkin Beetle in Cucurbit crops spray Cyantranilprole 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.

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

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Bulletin No.-186
Date- 20/04/2021

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week weather condition

The district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (8.30IST)2021

Weather Advisory: *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 36-40°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 71-94% and 18-25% 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	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	4	0	0
T-Max(°C)	36	38	39	40	38
T-Min(°C)	25	26	27	26	25
Cloud Cover(octa)	1	2	4	3	2
RH Max (%)	81	82	71	93	94
RH Min (%)	25	20	19	18	21
Wind Speed (Kmph)	15	15	10	11	15
Wind Direction (deg)	193	198	191	165	193

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **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. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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/litre 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.

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 zineb 75%WP 2gram/litre of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/litre of water. 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 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: 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.-186
Date- 20/04/2021

AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (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 35-39°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-96% and 20-29% 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	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	35	36	37	39	38
T-Min(°C)	26	26	27	26	26
Cloud Cover	2	1	4	3	1
RH Max (%)	91	96	79	96	96
RH Min (%)	29	20	23	22	23
Wind Speed (Kmph)	17	17	14	13	18
Wind Direction (deg)	203	203	203	193	201

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. 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. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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. Cercospora 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 leaf 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: 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.-186
Date- 20/04/2021

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

District Past week weather condition and Block past Rainfall condition

The block received 4 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (8.30IST)2021

Weather advisory: *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 35-38°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-96% and 19-26% 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	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	35	36	38	38	37
T-Min(°C)	26	26	27	26	26
Cloud Cover(octa)	2	1	4	3	2
RH Max (%)	90	93	76	93	96
RH Min (%)	26	20	20	19	20
Wind Speed (Kmph)	16	16	12	11	16
Wind Direction (deg)	201	203	191	198	193

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. 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. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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 zineb 75%WP 2gram/ltr of water. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/ltr of water. If helioverpa 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: 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.-186
Date- 20/04/2021

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (8.30IST)2021

Weather advisory: 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 35-38°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-97% and 22-35% 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	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	35	36	36	37	38
T-Min(°C)	27	26	27	26	26
Cloud Cover(octa)	2	0	4	2	1
RH Max (%)	90	96	83	97	95
RH Min (%)	35	22	30	28	27
Wind Speed (Kmph)	19	19	16	15	19
Wind Direction (deg)	203	203	201	201	203

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. 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. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If helioverpa 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: 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 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.-186
Date- 20/04/2021

AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week weather condition and Block past Rainfall condition

The block received 20 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (8.30IST)2021

Weather advisory: *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 and it will be 36-38°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-93% and 19-28% 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	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	36	37	37	38	38
T-Min(°C)	26	26	27	26	26
Cloud Cover(octal)	1	1	4	3	1
RH Max (%)	89	93	77	92	93
RH Min (%)	28	19	23	21	22
Wind Speed (Kmph)	17	18	13	13	17
Wind Direction (deg)	204	201	203	198	198

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **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. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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. **Cercospora 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:

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: 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 spraying 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.

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.-186
Date- 20/04/2021

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

The block received 0 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (8.30IST)2021

Weather advisory: Light rainfall/Thundershower is forecasted for Thursday and dry weather is forecasted for other 4 days in the block. The day temperature will be 38-40°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 47-87% and 13-19% 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	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	7	0	0
T-Max(°C)	40	38	40	38	40
T-Min(°C)	24	26	25	24	24
Cloud Cover(/octa)	1	3	4	3	2
RH Max (%)	58	47	56	86	87
RH Min (%)	19	17	17	13	18
Wind Speed (Kmph)	9	9	7	9	9
Wind Direction (deg)	198	200	203	23	167

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. 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. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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 zineb 75%WP 2gram/ltr of water. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/ltr of water. If helioverpa 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: 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 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.-186

Date- 20/04/2021

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (8.30IST)2021

Weather advisory: 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 36-38°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-97% and 27-40% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	36	36	36	37	38
T-Min(°C)	27	26	27	26	26
Cloud Cover(octa)	1	0	4	2	1
RH Max (%)	88	95	86	97	95
RH Min (%)	40	27	36	34	32
Wind Speed(Kmph)	21	20	18	17	20
Wind Direction(deg)	203	203	201	203	203

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. 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. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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 zineb 75%WP 2gram/ltr of water. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/ltr of water. If helioverpa 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: 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.-186
Date- 20/04/2021

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week weather condition and Block past Rainfall condition

The block received 13 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (8.30IST)2021

Weather advisory: *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 36-38°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-94% and 19-30% 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	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	36	37	37	38	38
T-Min(°C)	26	26	28	26	26
Cloud Cover(octa)	2	0	4	3	1
RH Max (%)	89	94	78	93	93
RH Min (%)	30	19	26	24	24
Wind Speed (Kmph)	18	19	14	14	18
Wind Direction (deg)	204	201	203	198	201

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **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. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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 zineb 75%WP 2gram/ltr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75%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: 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 Sathy
(Nodal officer)



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Bulletin No.-186

Date- 20/04/2021

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition and Block past Rainfall condition

The block received 8 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (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 35-38°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-94% and 19-29% 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	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	35	37	37	38	38
T-Min(°C)	26	26	28	26	26
Cloud Cover(octa)	2	1	4	3	1
RH Max (%)	90	94	78	93	93
RH Min (%)	29	19	25	22	23
Wind Speed (Kmph)	17	18	14	14	18
Wind Direction (deg)	204	201	203	198	198

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **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. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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 zineb 75%WP 2gram/ltr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb 75%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: 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 Sathy
(Nodal officer)



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Bulletin No.-186
Date- 20/04/2021

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR
District Past week weather condition and Block past Rainfall condition

The block received 16 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today (8.30IST) to 25th April (8.30IST) 2021

Weather advisory: *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 37-39°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-96% and 37-47% 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	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	4	0	0
T-Max(°C)	37	39	38	38	38
T-Min(°C)	27	27	28	27	27
Cloud Cover(octa)	1	0	4	2	1
RH Max (%)	87	91	86	96	94
RH Min (%)	47	37	46	46	44
Wind Speed (Kmph)	22	23	21	19	22
Wind Direction (deg)	203	204	203	203	204

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. 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. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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 zineb 75%WP 2gram/ltr of water. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb 75%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) 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: 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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Email: kvkcuttack@gmail.com

Bulletin No.-186
Date- 20/04/2021

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 4 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 24°C, respectively. Mean relative humidity of the district was around 69-57%.

Forecasted period: Today(8.30IST) to 25th April (8.30IST)2021

Weather advisory: **Light rainfall/Thundershower is forecasted for Thursday** and dry weather is forecasted for other 4 days in the block. The day temperature will be 37-39°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-93% and 15-22% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
Rainfall(mm)	0	0	6	0	0
T-Max(°C)	37	37	39	38	39
T-Min(°C)	25	26	27	26	25
Cloud Cover(octa)	1	3	4	3	2
RH Max (%)	76	71	70	89	93
RH Min (%)	22	18	18	15	19
Wind Speed (Kmph)	14	13	9	12	13
Wind Direction (deg)	193	171	203	161	167

Agromet Advisory

General advisory: After completion of harvesting of rabi crops and before attending ploughing operation, farmers are advised to collect the soil sample from the field & send the sample to nearest soil testing laboratory for nutrient analysis. Soil testing should be done once in three years in rainfed situation and every three cropping season in irrigated situation..

Pulses: Harvest matured pulses before rainy day. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. 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. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

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.

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 zineb 75%WP 2gram/ltr of water. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb 75%WP 2gram/ltr of water. If helioverpa 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 Chlorpyrifos or Dimethoate or spray 2.5 ml of Chlorpyrifos per litre of water.

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

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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	