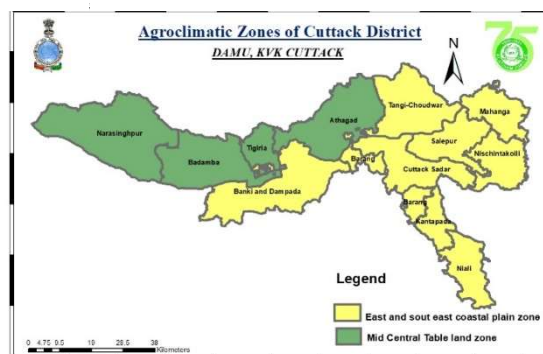
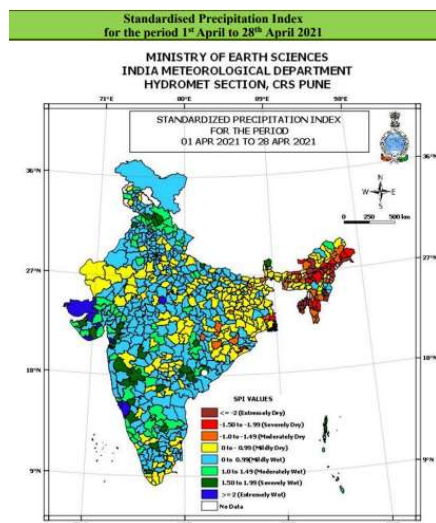


## AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



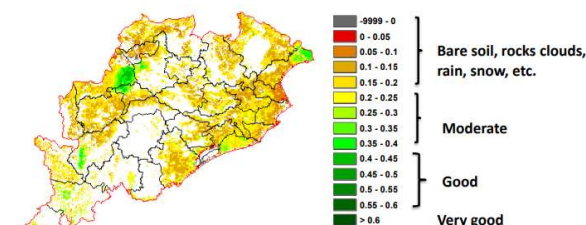
## STANDARD PRECIPITATION INDEX AND NDVI MAP



**As per SPI value (cumulative 4weeks -01 April 2021 to 28 April 2021), Mildly wet condition was there in Cuttack district.**

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

**Odisha**

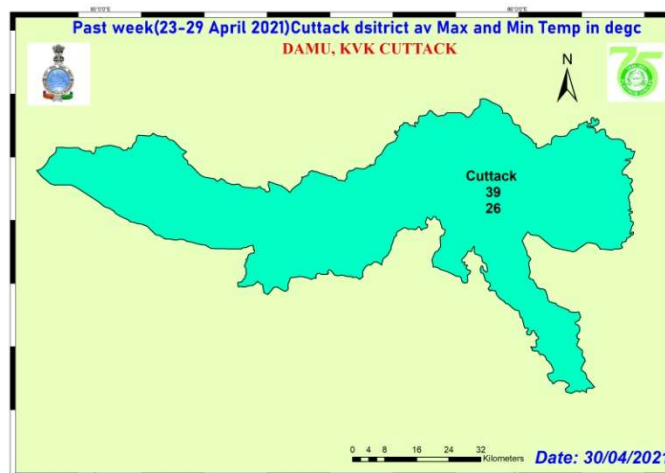
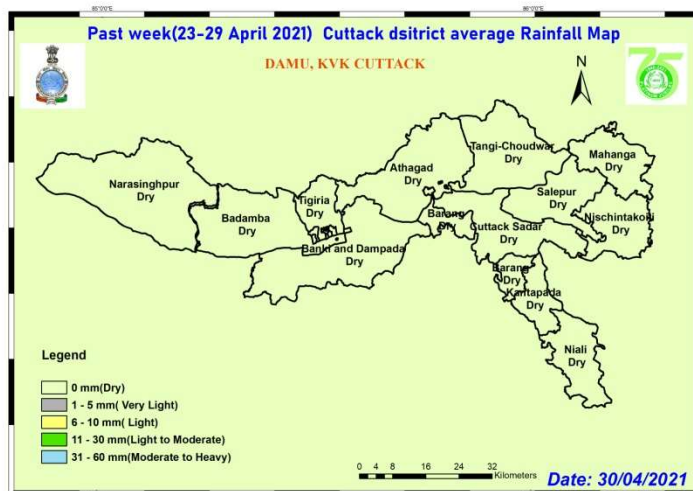


Agriculture vigour is good over isolated places of the state.

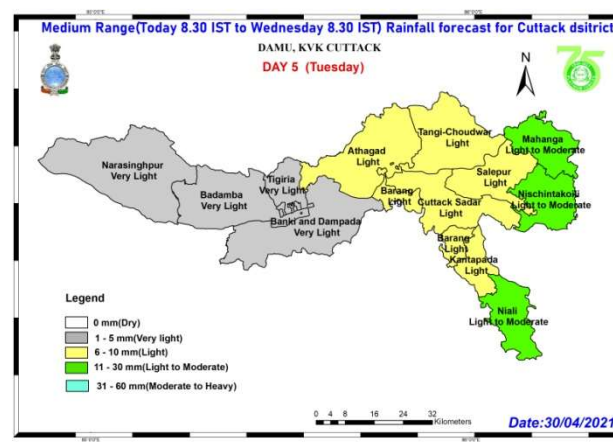
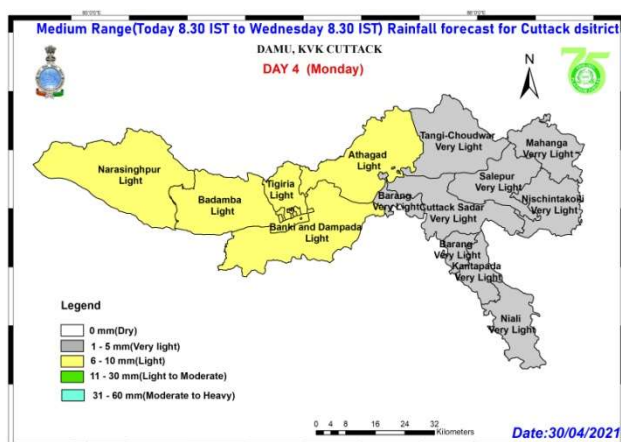
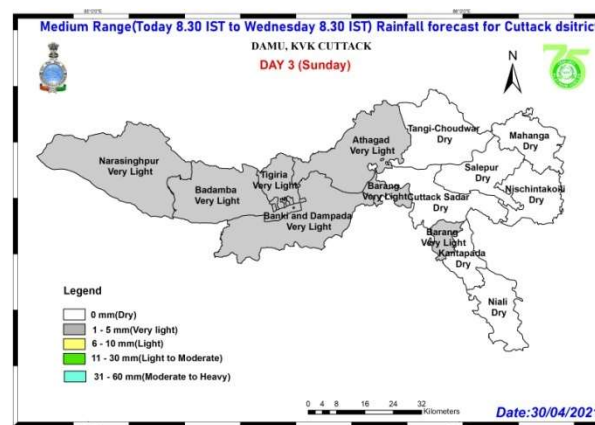
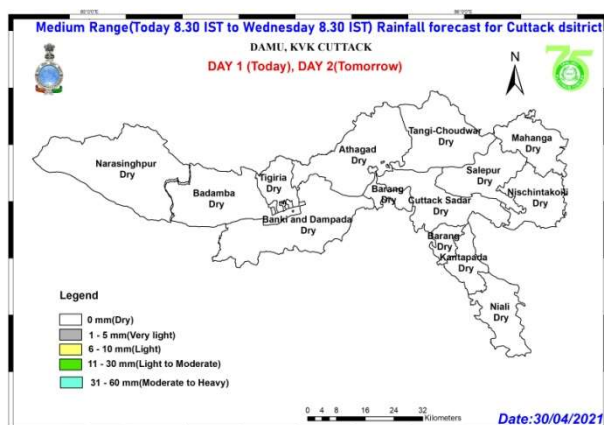
**According to NDVI map (16.04.2021 to 22.04.2021) the agriculture vigor was Very light to light over many of the blocks of Cuttack district.**

<b>LEGEND (Medium range block level rainfall forecast)</b>		
	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

**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**



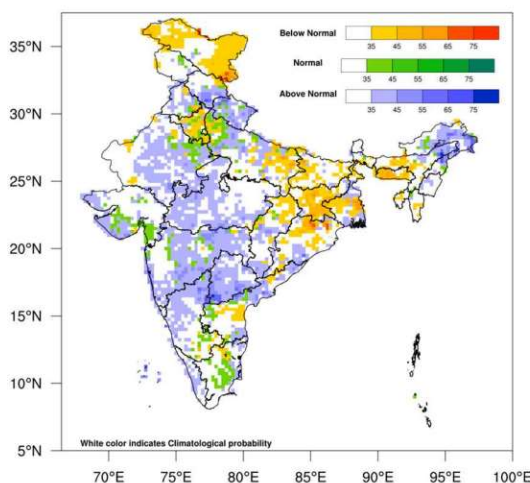
Met Sub division	Extended range outlook for subsequent 1 week (6 <sup>th</sup> to 12 <sup>th</sup> days) (05 <sup>th</sup> May to 11 <sup>th</sup> May 2021)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	-61.30	<b>Below Normal</b>
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	-0.71	<b>Normal</b>
	Minimum temperature	-1.06	<b>Normal</b>

**General Agromet Advisory:-** As there was mild wet condition in last four weeks at Cuttack district and light to moderate rainfall is also forecasted for upcoming Sunday to Tuesday in the district so farmers may stop their irrigations before that rainy days based upon soil moisture conditions but *they should continue up to Sunday as above 40c maximum temp was realized in last week.* However there will be **below normal rainfall** in subsequent week after 5 days (5-11 May 2021) in Odisha condition, so farmers are advised to complete summer ploughing in this week by utilization of rain water after Tuesday.

### **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	Maize	Vegetative to tasseling/silking		Maize stalk rot
				Fall army worm
				Red hairy cattpillar
2	Brinjal	Fruiting		Fruit and shoot borer
				Phomopsis Blight
				Mealy bug
3	Tomato	Fruting		Bacterial wilt
4	Okra	Vegetative to fruiting		Yellow vein mosaiv(YMV)
				White fly
5	Cucurbits	Flowering to Fruiting stage		Red Pumpkin bettle
				Late blight



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**Bulletin No.-189**  
**Date- 30/04/2021**

				<b>Downy Mildew</b>
				<b>Fruit fly</b>
6	Banana			<b>Banana leaf spot/sigatoka</b>
				<b>Pseudo stem weevil</b>
7	Mango	Fruiting stage		<b>Fruit borer</b>
				<b>Fruit drop</b>
				<b>Bacterial Canker</b>
				<b>Mango fruit fly</b>
8	Papaya	Fruting		<b>Fruit fly</b>

**Dr Sujata Sethy**  
**(Nodal officer)**



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**Bulletin No.-189**  
**Date- 30/04/2021**

**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 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weather advisory:** *Light rainfall/Thundershower is forecasted for Monday and Tuesday and very light rainfall is forecasted for Sunday and dry weather is forecasted for other 2days in the block.* The day temperature will be 35-36°C and night temperature will be 26-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-95% and 21-29% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall (mm)	0	0	1	6	7
T-Max (°C)	36	36	35	36	36
T-Min (°C)	26	27	27	29	28
Cloud Cover (octa)	0	4	4	3	2
RH Max (%)	95	92	86	78	83
RH Min (%)	25	21	28	29	21
Wind Speed (kmph)	18	18	18	13	18
Wind Direction (deg)	193	167	193	198	195

**Agromet Advisory**

**General advisory:** *Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.*

**Pulses:** *Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday onwards at isolated places of Cuttack district.*

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **White flies** causes intervarial chlorosis/ Mosaic disease in Bhendi. Spray Phosalone 35 EC @ 2.5 l/ha or Triazophos 40 EC @ 2.0 l/ha to control white flies. Also destroy the infected plants away from the field.

**Brinjal: 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. To control **Mealy bugs** in Brinjal, remove affected plant parts. Foliar spray with Malathion @ 2 ml/l is effective against mealy bugs.

**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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:** Water stress immediately after fruit set increases fruit dropping in Mango. Hence, protective irrigation is essential during the fruit development stage. To control **fruit drop**, spray Borax @2gm per lit. of water and apply Planofix @2ml per 5 lit. of water. For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 1 ml per litre of water along with stickers at marble stage of the fruit. The sprayings should be preferably carried out during evening hours. To control **bacterialcanker**, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended. 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.

**Papaya:** In Papaya **fruit fly damage** the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feed on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

**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.-189**  
**Date- 30/04/2021**

**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 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weather advisory:** **Light rainfall/Thundershower is forecasted for Monday and very light rainfall is forecasted for Sunday and Tuesday and dry weather is forecasted for other 2days in the block.** The day temperature will be 36-38°C and night temperature will be 24-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-92% and 21-25% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	1	7	3
T-Max(°C)	36	37	36	37	38
T-Min(°C)	24	26	26	28	27
Cloud Cover(octa)	0	5	4	3	1
RH Max (%)	92	86	82	73	83
RH Min (%)	24	21	25	24	21
Wind Speed (Kmph)	15	15	15	11	15
Wind Direction (deg)	193	161	189	199	180

**Agromet Advisory**

**General advisory:** **Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.**

**Pulses:** **Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday onwards at isolated places of Cuttack district.**

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **White flies** causes intervinal chlorosis/ Mosaic disease in Bhendi. Spray Phosalone 35 EC @ 2.5 l/ha or Triazophos 40 EC @ 2.0 l/ha to control white flies. Also destroy the infected plants away from the field.

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**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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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**Bulletin No.-189**  
**Date- 30/04/2021**

**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 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weather advisory:** **Light rainfall/Thundershower is forecasted for Monday and very light rainfall is forecasted for Sunday and Tuesday and dry weather is forecasted for other 2days in the block.** The day temperature will be 35-37°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-94% and 22-29% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	1	6	4
T-Max(°C)	36	37	35	37	37
T-Min(°C)	26	27	27	28	28
Cloud Cover(octa)	0	5	4	3	2
RH Max (%)	94	90	86	77	82
RH Min (%)	28	23	29	29	22
Wind Speed (Kmph)	18	18	18	13	18
Wind Direction (deg)	193	167	193	201	200

**Agromet Advisory**

**General advisory:** **Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.**

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**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.*

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**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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.

**Papaya:** In Papaya **fruit fly damage** the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feeds on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

**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.-189**  
**Date- 30/04/2021**

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA**

**District Past week average weather condition**

The district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weather Advisory:** *Light rainfall/Thundershower is forecasted for Monday and very light rainfall is forecasted for Sunday and Tuesday and dry weather is forecasted for other 2 days in the block.* The day temperature will be 35-37°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-94% and 23-31% 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	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	1	6	5
T-Max(°C)	35	36	35	37	37
T-Min(°C)	26	27	27	28	28
Cloud Cover(octa)	0	5	4	3	1
RH Max (%)	94	91	87	78	82
RH Min (%)	28	24	30	31	23
Wind Speed (Kmph)	18	18	18	14	19
Wind Direction (deg)	193	167	193	201	200

**Agromet Advisory**

**General advisory:** *Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.*

**Pulses:** *Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday onwards at isolated places of Cuttack district.*

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **White flies** causes intervinial chlorosis/ Mosaic disease in Bhendi. Spray Phosalone 35 EC @ 2.5 l/ha or Triazophos 40 EC @ 2.0 l/ha to control white flies. Also destroy the infected plants away from the field.

**Brinjal: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. To control **Mealy bugs** in Brinjal, remove affected plant parts. Foliar spray with Malathion @ 2 ml/l is effective against mealy bugs.

**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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.

**Papaya:** In Papaya **fruit fly damage** the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feed on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

**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.-189**  
**Date- 30/04/2021**

**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 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weather advisory:** **Light rainfall/Thundershower is forecasted for Tuesday** and very light rainfall is forecasted for Sunday and Monday and dry weather is forecasted for other 2 days in the block. The day temperature will be 34-36°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-95% and 25-37% 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	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	1	4	7
T-Max(°C)	34	34	34	35	36
T-Min(°C)	26	27	27	28	28
Cloud Cover	0	4	3	2	2
RH Max (%)	95	92	90	82	83
RH Min (%)	29	26	36	37	25
Wind Speed (Kmph)	20	19	22	17	22
Wind Direction (deg)	203	201	203	203	189

**Agromet Advisory**

**General advisory:** Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.

**Pulses:** Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday onwards at isolated places of Cuttack district.

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **White flies** causes intervinial chlorosis/ Mosaic disease in Bhendi. Spray Phosalone 35 EC @ 2.5 l/ha or Triazophos 40 EC @ 2.0 l/ha to control white flies. Also destroy the infected plants away from the field.

**Brinjal: 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. To control **Mealy bugs** in Brinjal, remove affected plant parts. Foliar spray with Malathion @ 2 ml/l is effective against mealy bugs.

**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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.

**Papaya:** In Papaya **fruit fly** damage the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feeds on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

**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.-189**  
**Date- 30/04/2021**

**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 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weather advisory:** **Light rainfall/Thundershower is forecasted for Tuesday** and very light rainfall/thundershower is forecasted for Monday and dry weather is forecasted for other 3 days in the block. The day temperature will be 34-36°C and night temperature will be 26-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-95% and 23-33% 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	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	0	4	7
T-Max(°C)	35	35	34	35	36
T-Min(°C)	26	27	28	28	29
Cloud Cover(octa)	0	4	4	3	2
RH Max (%)	95	90	88	79	82
RH Min (%)	26	23	31	33	23
Wind Speed (Kmph)	19	19	20	15	21
Wind Direction (deg)	201	198	203	201	189

**Agromet Advisory**

**General advisory:** Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.

**Pulses:** Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday onwards at isolated places of Cuttack district.

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **White flies** causes interval chlorosis/ Mosaic disease in Bhendi. Spray Phosalone 35 EC @ 2.5 l/ha or Triazophos 40 EC @ 2.0 l/ha to control white flies. Also destroy the infected plants away from the field.

**Brinjal: 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. To control **Mealy bugs** in Brinjal, remove affected plant parts. Foliar spray with Malathion @ 2 ml/l is effective against mealy bugs.

**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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:** 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.

**Papaya:** In Papaya **fruit fly damage** the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feed on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

**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.-189**  
**Date- 30/04/2021**

**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 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weather advisory:** **Light rainfall/Thundershower is forecasted for Tuesday** and very light rainfall/thundershower is forecasted for Monday and dry weather is forecasted for other 3days in the block. The day temperature will be 32-36°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-94% and 31-44% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Kantapada(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	0	2	7
T-Max(°C)	34	33	32	34	36
T-Min(°C)	26	26	27	27	28
Cloud Cover(octa)	1	4	2	2	2
RH Max (%)	94	92	91	84	83
RH Min (%)	33	32	41	44	31
Wind Speed (Kmph)	20	19	23	19	22
Wind Direction (deg)	203	201	203	203	189

**Agromet Advisory**

**General advisory:** Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.

**Pulses:** Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday onwards at isolated places of Cuttack district.

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **White flies** causes intervinial chlorosis/ Mosaic disease in Bhendi. Spray Phosalone 35 EC @ 2.5 l/ha or Triazophos 40 EC @ 2.0 l/ha to control white flies. Also destroy the infected plants away from the field.

**Brinjal: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. To control **Mealy bugs** in Brinjal, remove affected plant parts. Foliar spray with Malathion @ 2 ml/l is effective against mealy bugs.

**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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:** 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.

**Papaya:** In Papaya **fruit fly damage** the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feed on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

**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.-189**  
**Date- 30/04/2021**

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weather advisory:** **Light to moderate rainfall/Thundershower is forecasted for Tuesday and very light rainfall/thundershower is forecasted for Monday and dry weather is forecasted for other 3days in the block.** The day temperature will be and it will be 34-36°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-94% and 24-39% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Mahanga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	0	4	10
T-Max(°C)	35	35	34	35	36
T-Min(°C)	26	27	27	28	28
Cloud Cover(octal)	0	4	5	4	2
RH Max (%)	94	87	86	76	81
RH Min (%)	29	24	34	39	27
Wind Speed (Kmph)	20	21	22	16	22
Wind Direction (deg)	201	203	203	201	197

**Agromet Advisory**

**General advisory:** **Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.**

**Pulses:** **Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday onwards at isolated places of Cuttack district.**

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **White flies** causes intervinial chlorosis/ Mosaic disease in Bhendi. Spray Phosalone 35 EC @ 2.5 l/ha or Triazophos 40 EC @ 2.0 l/ha to control white flies. Also destroy the infected plants away from the field.

**Brinjal: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. To control **Mealy bugs** in Brinjal, remove affected plant parts. Foliar spray with Malathion @ 2 ml/l is effective against mealy bugs.

**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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:** 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.

**Papaya:** In Papaya **fruit fly damage** the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feed on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

**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.-189**  
**Date- 30/04/2021**

**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 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weather advisory:** **Light rainfall/Thundershower is forecasted for Monday and very light rainfall is forecasted for Sunday and Tuesday and dry weather is forecasted for other 2 days in the block.** The day temperature will be 35-40°C and night temperature will be 23-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-91% and 18-19% 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	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	2	7	3
T-Max(°C)	38	37	35	38	40
T-Min(°C)	23	25	26	27	25
Cloud Cover(/octa)	1	6	4	4	1
RH Max (%)	91	77	77	65	84
RH Min (%)	19	18	19	18	18
Wind Speed (Kmph)	11	10	10	8	10
Wind Direction (deg)	162	180	189	293	135

**Agromet Advisory**

**General advisory:** **Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.**

**Pulses:** **Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday onwards at isolated places of Cuttack district.**

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **White flies** causes intervinial chlorosis/ Mosaic disease in Bhendi. Spray Phosalone 35 EC @ 2.5 l/ha or Triazophos 40 EC @ 2.0 l/ha to control white flies. Also destroy the infected plants away from the field.

**Brinjal: 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. To control **Mealy bugs** in Brinjal, remove affected plant parts. Foliar spray with Malathion @ 2 ml/l is effective against mealy bugs.

**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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:** 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.

**Papaya:** In Papaya **fruit fly damage** the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feed on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

**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.-189**  
**Date- 30/04/2021**

**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 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weather advisory:** **Light to moderate rainfall/Thundershower is forecasted for Tuesday** and very light rainfall/thundershower is forecasted for Monday and dry weather is forecasted for other 3days in the block. The day temperature will be 32-36°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-92% and 38-49% 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	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	0	4	12
T-Max(°C)	34	33	32	34	36
T-Min(°C)	26	26	27	28	28
Cloud Cover(octa)	0	4	2	3	2
RH Max (%)	92	91	90	85	85
RH Min (%)	39	38	45	49	38
Wind Speed(Kmph)	21	20	23	20	21
Wind Direction(deg)	203	203	203	203	180

**Agromet Advisory**

**General advisory:** Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.

**Pulses:** Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday onwards at isolated places of Cuttack district.

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbenidazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **White flies** causes interveinal chlorosis/ Mosaic disease in Bhendi. Spray Phosalone 35 EC @ 2.5 l/ha or Triazophos 40 EC @ 2.0 l/ha to control white flies. Also destroy the infected plants away from the field.

**Brinjal: 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. To control **Mealy bugs** in Brinjal, remove affected plant parts. Foliar spray with Malathion @ 2 ml/l is effective against mealy bugs.

**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 Carbenidazim 12 % + Mancozeb 63 % WP @ 2-gram/litre. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. For **leaf spot/sigatoka** as a precautionary measure spray carbenidazim + 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:** 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.

**Papaya:** In Papaya **fruit fly damage** the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feed on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

**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.-189**  
**Date- 30/04/2021**

**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 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weather advisory:** **Light to moderate rainfall/Thundershower is forecasted for Tuesday** and very light rainfall/thundershower is forecasted for Monday and dry weather is forecasted for other 3days in the block. The day temperature will be 33-36°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-94% and 26-42% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	0	3	11
T-Max(°C)	35	34	33	35	36
T-Min(°C)	26	27	27	28	28
Cloud Cover(octa)	0	4	4	3	2
RH Max (%)	94	88	88	78	81
RH Min (%)	30	26	36	42	28
Wind Speed (Kmph)	20	20	22	18	22
Wind Direction (deg)	203	203	203	203	197

**Agromet Advisory**

**General advisory:** Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.

**Pulses:** Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday onwards at isolated places of Cuttack district.

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **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. **White flies** causes interventional chlorosis/ Mosaic disease in Bhendi. Spray Phosalone 35 EC @ 2.5 l/ha or Triazophos 40 EC @ 2.0 l/ha to control white flies. Also destroy the infected plants away from the field.

**Brinjal: FRUIT AND SHOOT BORER IN BRINJAL-** Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litre of water. To control **Mealy bugs** in Brinjal, remove affected plant parts. Foliar spray with Malathion @ 2 ml/l is effective against mealy bugs.

**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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:** 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.

**Papaya:** In Papaya **fruit fly damage** the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feeds on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

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

**Dr Sujata Sethy**  
**(Nodal officer)**



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**GRAMIN KRISHI MAUSAM SEWA**  
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**KRISHI VIGYAN KENDRA CUTTACK**  
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**Bulletin No.-189**  
**Date- 30/04/2021**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weatheradvisory:** **Light rainfall/Thundershower is forecasted for Tuesday and very light rainfall/thundershower is forecasted for Monday and dry weather is forecasted for other 3days in the block.** The day temperature will be 33-36°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-94% and 25-40% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Salepur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	0	2	7
T-Max(°C)	35	34	33	35	36
T-Min(°C)	26	27	27	28	28
Cloud Cover(octa)	0	5	4	3	2
RH Max (%)	94	88	88	78	81
RH Min (%)	29	25	35	40	27
Wind Speed (Kmph)	20	20	22	17	22
Wind Direction (deg)	201	201	203	203	189

**Agromet Advisory**

**General advisory:** **Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.**

**Pulses:** **Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday onwards at isolated places of Cuttack district.**

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **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/litre.*

**Okra:** To control **Yellow Vain Mosaic Virus (YVMV)** in Okra apply Neem oil (10000 ppm) @ 20 ml/ 10 liter at dawn or use yellow sticky trap to control this disease. **White flies** causes interventional chlorosis/ Mosaic disease in Bhendi. Spray Phosalone 35 EC @ 2.5 l/ha or Triazophos 40 EC @ 2.0 l/ha to control white flies. Also destroy the infected plants away from the field.

**Brinjal:FRUIT AND SHOOT BORER IN BRINJAL-**Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litre of water. To control **Mealy bugs** in Brinjal, remove affected plant parts. Foliar spray with Malathion @ 2 ml/l is effective against mealy bugs.

**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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 perlitre 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.

**Papaya:** In Papaya **fruit fly damage** the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feeds on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

**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.-189**  
**Date- 30/04/2021**

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received average 0 mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weather advisory:** **Light rainfall/Thundershower is forecasted for Tuesday** and very light rainfall/thundershower is forecasted for Monday and dry weather is forecasted for other 3 days in the block. The day temperature will be 34-36°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-89% and 46-60% 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	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	0	2	8
T-Max(°C)	35	35	34	34	36
T-Min(°C)	27	27	27	28	27
Cloud Cover(octa)	0	3	3	4	3
RH Max (%)	89	87	87	85	86
RH Min (%)	48	46	55	60	50
Wind Speed (Kmph)	22	22	24	23	22
Wind Direction (deg)	203	203	203	203	203

**Agromet Advisory**

**General advisory:** Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.

**Pulses:** Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday onwards at isolated places of Cuttack district.

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **White flies** causes interventional chlorosis/ Mosaic disease in Bhendi. Spray Phosalone 35 EC @ 2.5 l/ha or Triazophos 40 EC @ 2.0 l/ha to control white flies. Also destroy the infected plants away from the field.

**Brinjal: 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. To control **Mealy bugs** in Brinjal, remove affected plant parts. Foliar spray with Malathion @ 2 ml/l is effective against mealy bugs.

**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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:** 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.

**Papaya:** In Papaya **fruit fly damage** the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feed on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

**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.-189**  
**Date- 30/04/2021**

**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 0mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 26°C, respectively. Mean relative humidity of the district was around 72-67%.

**Forecasted period: Today(8.30IST) to 05<sup>th</sup> May (8.30IST)2021**

**Weatheradvisory:** **Light rainfall/Thundershower is forecasted for Monday and very light rainfall is forecasted for Sunday and Tuesday and dry weather is forecasted for other 2days in the block.** The day temperature will be 36-37°C and night temperature will be 25-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-94% and 21-27% 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	01/05/2021	02/05/2021	03/05/2021	04/05/2021	05/05/2021
Rainfall(mm)	0	0	1	6	4
T-Max(°C)	36	37	36	37	37
T-Min(°C)	25	27	27	28	28
Cloud Cover(octa)	0	5	4	3	2
RH Max (%)	94	90	84	76	82
RH Min (%)	24	21	26	27	21
Wind Speed (Kmph)	17	17	16	11	17
Wind Direction (deg)	180	161	180	203	180

**Agromet Advisory**

**General advisory:** **Farmers should harvest the matured crops and vegetables before Sunday. 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. Farmers should stop irrigation activities, fertiliser and pesticide applications from Sunday onwards as rainfall is forecasted.**

**Pulses:** **Harvest matured pulses before Sunday as light to moderate rainfall or thundershower is forecasted from Sunday on wards at isolated places of Cuttack district.**

**Jute:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**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. **To control fall army worm in maize spray emamectin benzoate (5% S.G.) @ 0.4g per litre of water**

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**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. There is a chance of an attack of **fruit fly** in cucurbit during the forecasted period. Apply Malathion 50 EC @ 1 ml/lit of water in the late afternoon under dry weather conditions.

**Fruit: Banana:** During the summer irrigation should be given according to the soil nature and weather conditions. In summer, irrigate the light soils for every 2 days and heavy soils for every 4 days so that crop can withstand summer high temperatures for several days. 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 perlitre 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.

**Papaya:** In Papaya **fruit fly damage** the crop after the formation of fruits. Adult female fly lays eggs beneath the epidermis of fruit. After 3-4 days these eggs hatch and become larvae. These larvae feeds on the fruit and causes fruit rot. To control keep the orchards clean. Remove and collect the dropped fruits of left over fruits on the papaya plant. Use Methyl Eugenol traps to attract male flies and destroy them.

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

**Dr Sujata Sethy**  
**(Nodal officer)**



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<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).

<b>1</b>	<b>ICAR-NRRI, Cuttack, Odisha</b>	<a href="https://icar-nrri.in/agromate/">https://icar-nrri.in/agromate/</a>	
<b>2</b>	<b>Agrimet division, IMD, Pune</b>	<a href="https://imdagrmet.gov.in/imdproject/AGIndex.php">https://imdagrmet.gov.in/imdproject/AGIndex.php</a>	