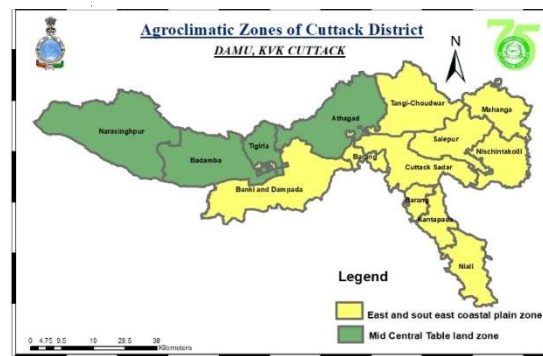
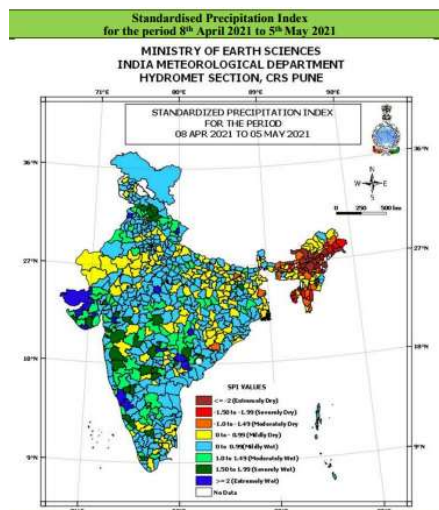


AGROCLIMATIC ZONES OF CUTTACK DISTRICT:

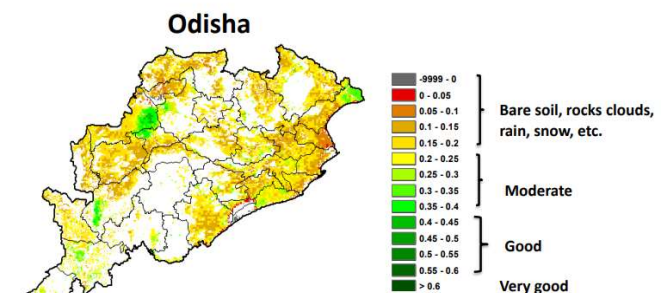


STANDARD PRECIPITATION INDEX AND NDVI MAP



As per SPI value (cumulative 4weeks -08 April 2021 to 05 May 2021), Mildly wet condition was there in Cuttack district.

**NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 17
 (23.04.2021 to 29.04.2021) over Agricultural region**



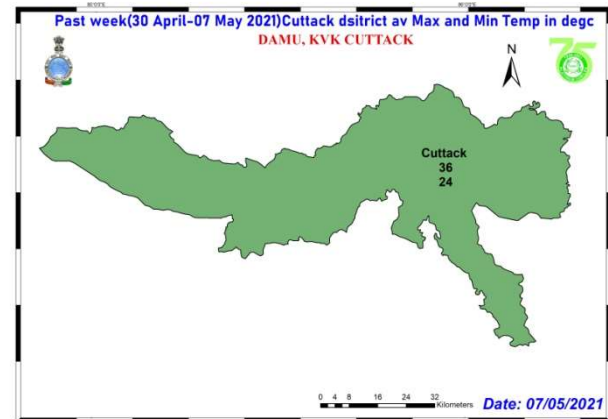
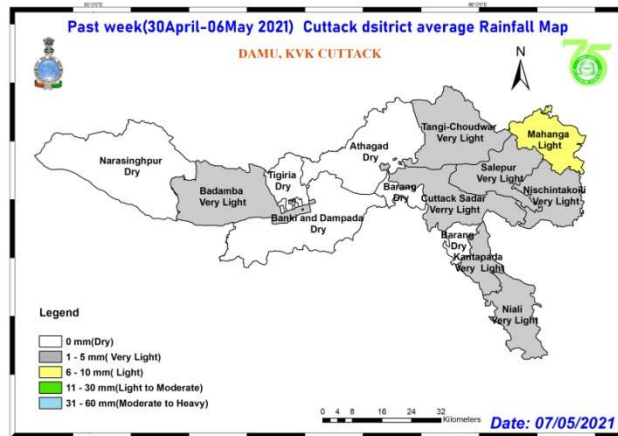
Agriculture vigour is good over isolated places of the state.

According to NDVI map (23.04.2021 to 29.04.2021) the agriculture vigor was Very light to light over many of the blocks and light to moderate over some part of Narsinghpur, Badamba, Banki-Dampada, Athagad, Mahanga block of Cuttack district.

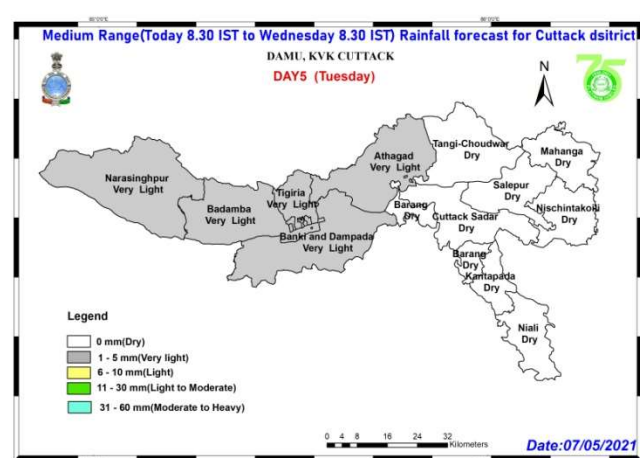
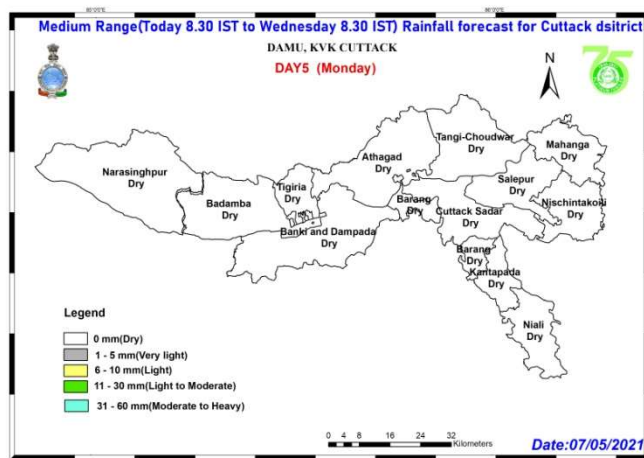
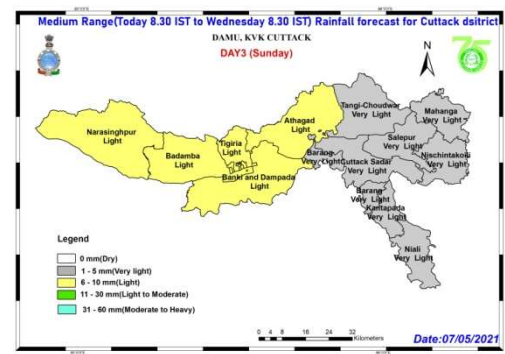
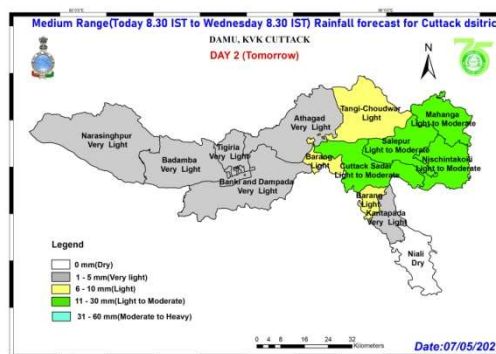
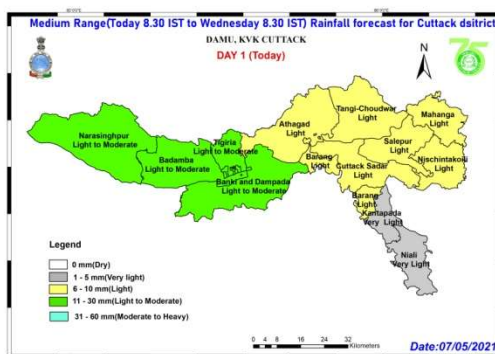
LEGEND (Medium range block level rainfall forecast)

	No Rainfall	00 mm
	Very light rainfall	01-05 mm
	Light rainfall	06-10 mm
	Light to moderate rainfall	11-30 mm
	Moderate to heavy rainfall	31-65 mm
	Heavy rainfall	66-115 mm
	Very heavy rainfall	116-205 mm
	Extremely heavy rainfall	>206 mm

Past week (30 April-06 May 2021) Cuttack district Rainfall and Temperature map



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



Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (12 th May to 18 th May 2021)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	-6.04	Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	-0.05	Normal
	Minimum temperature	0.07	Normal

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 3 days in the district so farmers may stop their irrigations before that rainy days based upon soil moisture conditions .However there will be near normal rainfall in subsequent week after 5 days (12-18 May 2021) in Odisha condition, so farmers are advised to complete summer ploughing in this week by utilization of rain water and should store the excess rain water in water harvesting structure for future purpose.

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

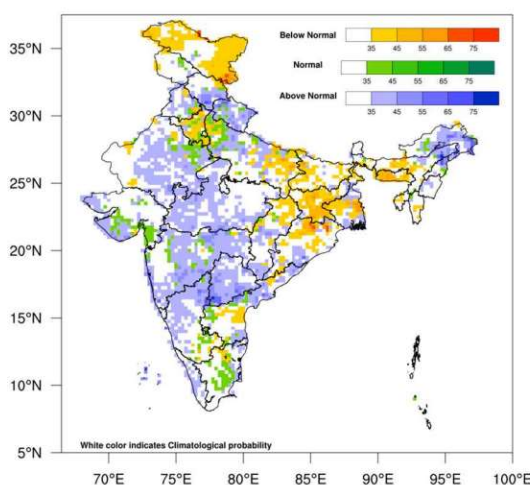
























Fig.1.Probability forecast of tercile categories* (below normal, normal and above normal) for the seasonal rainfall over India during the 2021 southwest monsoon season (June-September). The figure illustrates the most likely categories as well as their probabilities. The white shaded areas represent 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
				Corn Borer
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		Late blight

				Downy Mildew
				Fruit fly
6	Banana			Banana leaf spot/sigatoka
				Pseudo stem weevil
				Rhizome rot
7	Mango	Fruiting stage		Fruit borer
				Fruit drop
				Bacterial Canker
				Mango fruit fly
8	Papaya	Fruting		Fruit fly
				Phytopthera crown rot/foot rot



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Bulletin No.-191
Date- 07/05/2021

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 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weather advisory: Very light to light rain/thundershower is forecasted for today, tomorrow and Sunday and very light rainfall is forecasted for Tuesday and 1 dry day is forecasted for Monday in the block. The day temperature will be 31-38°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-84% and 26-39% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall (mm)	6	5	6	0	2
T-Max (°C)	31	35	34	36	38
T-Min (°C)	26	28	28	28	28
Cloud Cover (octa)	2	3	2	2	3
RH Max (%)	84	79	84	82	82
RH Min (%)	39	26	31	30	28
Wind Speed (kmph)	15	20	17	16	18
Wind Direction (deg)	201	180	197	193	225

Agromet Advisory

General advisory: Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.

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: In Maize field if corn borer found in the field, spray cypermethrin 2ml/ litre of water. 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 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: 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: If rhizome rot is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: For control of mango fruit borer spray Neem oil 3ml + chlorpyrifos 1 ml per litre of water along with stickers at marble stage of the fruit. The sprayings should be preferably carried out during evening hours. To control bacterial canker, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended. 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: After rain due to water logging there may be increase in the infestation of phytophthora crown rot or foot rot in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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.-191
Date- 07/05/2021

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 3.7 mm and district received average 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weather advisory: Light to moderate rain/Thundershower is forecasted for Today and Very light to light rain/thundershower is forecasted for tomorrow and Sunday and very light rainfall is forecasted for Tuesday and 1 dry day is forecasted for Monday in the block. The day temperature will be 33-39°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-84% and 27-37% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	12	4	6	0	1
T-Max(°C)	33	35	35	37	39
T-Min(°C)	26	26	27	27	28
Cloud Cover(octa)	1	3	2	1	2
RH Max (%)	81	77	84	76	77
RH Min (%)	37	27	31	31	27
Wind Speed (Kmph)	15	17	16	14	15
Wind Direction (deg)	198	180	180	193	199

Agromet Advisory

General advisory: Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.

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: In Maize field if corn borer found in the field, spray cypermethrin 2ml/ litter of water. 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 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: 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: If rhizome rot is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: 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: After rain due to water logging there may be increase in the infestation of phytopthera crown rot or foot rot in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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.

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(Nodal officer)



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Bulletin No.-191
Date- 07/05/2021

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 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weather advisory: Light to moderate rain/Thundershower is forecasted for Today and Very light to light rain/thundershower is forecasted for tomorrow and Sunday and very light rainfall is forecasted for Tuesday and 1 dry day is forecasted for Monday in the block. The day temperature will be 33-40°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-83% and 29-37% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	11	2	6	0	3
T-Max(°C)	33	35	35	37	40
T-Min(°C)	27	28	28	28	28
Cloud Cover(octa)	1	3	2	1	2
RH Max (%)	82	77	83	81	79
RH Min (%)	37	30	34	32	29
Wind Speed (Kmph)	17	20	18	17	18
Wind Direction (deg)	198	193	180	193	199

Agromet Advisory

General advisory: Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.

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Cucurbits: Late Blight may happen due to rising day temperature. There are chances of infestation of Downy Mildew in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre. 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: If rhizome rot is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: 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: After rain due to water logging there may be increase in the infestation of phytopthera crown rot or foot rot in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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 Methul Eugenol traps to attract male flies and destroy them.

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

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(Nodal officer)



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Bulletin No.-191
Date- 07/05/2021

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week average weather condition

The district received average 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weather Advisory: Light to moderate rain/Thundershower is forecasted for Today and Very light to light rain/thundershower is forecasted for tomorrow and Sunday and very light rainfall is forecasted for Tuesday and 1 dry day is forecasted for Monday in the block. The day temperature will be 33-40°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-84% and 33-37% 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	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	11	2	6	0	2
T-Max(°C)	33	35	35	37	40
T-Min(°C)	27	28	28	28	28
Cloud Cover(octa)	1	3	2	1	2
RH Max (%)	82	77	84	81	80
RH Min (%)	37	30	34	33	30
Wind Speed (Kmph)	17	20	18	17	18
Wind Direction (deg)	198	193	193	198	199

Agromet Advisory

General advisory: Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.

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: In Maize field if corn borer found in the field, spray cypermethrin 2ml/ litre of water. 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 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: 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: If rhizome rot is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: 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: After rain due to water logging there may be increase in the infestation of phytophthora crown rot or foot rot in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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.-191
Date- 07/05/2021

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 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weatheradvisory: *Light to very light rainfall/Thundershower is forecasted for today, tomorrow and Sunday and 2 dry days are forecasted for Monday and Tuesday in the block.* The day temperature will be 33-38°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-85% and 31-38% 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	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	6	8	1	0	0
T-Max(°C)	33	34	34	36	38
T-Min(°C)	27	28	28	28	28
Cloud Cover	0	3	2	2	3
RH Max (%)	85	80	83	84	83
RH Min (%)	34	31	38	36	33
Wind Speed (Kmph)	18	21	20	21	22
Wind Direction (deg)	201	201	201	203	203

Agromet Advisory

General advisory: *Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.*

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: In Maize field if **corn borer** found in the field, spray cypermethrin 2ml/ litre of water. 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 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 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: **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: If **rhizome rot** is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: 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: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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.-191
Date- 07/05/2021

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 0.8 mm and district received average 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weather advisory: Light to moderate rain/Thundershower is forecasted for Tomorrow and Very light to light rain/thundershower is forecasted for today and Sunday and 2 dry days are forecasted for Monday and Tuesday in the block. The day temperature will be 32-38°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-85% and 28-35% 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	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	6	11	2	0	0
T-Max(°C)	32	34	33	35	38
T-Min(°C)	27	28	28	28	28
Cloud Cover(octa)	1	3	2	2	3
RH Max (%)	85	80	83	84	84
RH Min (%)	35	28	35	31	31
Wind Speed (Kmph)	16	21	18	19	20
Wind Direction (deg)	201	193	201	203	206

Agromet Advisory

General advisory: Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.

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: In Maize field if **corn borer** found in the field, spray cypermethrin 2ml/ liter of water. 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 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: **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: If **rhizome rot** is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: 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: After rain due to water logging there may be increase in the infestation of **phytopthera crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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.-191
Date- 07/05/2021

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 1 mm and district received average 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weatheradvisory: very light rainfall/Thundershower is forecasted for Today, tomorrow and Sunday and dry weather is forecasted for other 3 days in the block. The day temperature will be 33-37°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-86% and 36-42% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Kantapada(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	3	2	2	0	0
T-Max(°C)	33	33	34	36	37
T-Min(°C)	27	28	28	28	28
Cloud Cover(octa)	0	2	2	2	3
RH Max (%)	86	81	83	85	83
RH Min (%)	38	36	42	41	39
Wind Speed (Kmph)	18	21	21	24	23
Wind Direction (deg)	201	198	201	203	203

Agromet Advisory

General advisory: Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.

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: In Maize field if **corn borer** found in the field, spray cypermethrin 2ml/ litre of water. 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: **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: If **rhizome rot** is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: 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: After rain due to water logging there may be increase in the infestation of **phytopthera crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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.-191
Date- 07/05/2021

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 6mm and district received average 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weather advisory: Light to moderate rain/Thundershower is forecasted for Tomorrow and Very light to light rain/thundershower is forecasted for today and Sunday and 2 dry days are forecasted for Monday and Tuesday in the block. The day temperature will be and it will be 33-38°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-86% and 30-37% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	6	11	2	0	0
T-Max(°C)	33	33	34	35	38
T-Min(°C)	26	26	28	27	27
Cloud Cover(octal)	1	3	1	1	3
RH Max (%)	86	78	81	83	85
RH Min (%)	37	32	37	34	30
Wind Speed (Kmph)	17	22	19	22	22
Wind Direction (deg)	201	198	198	203	206

Agromet Advisory

General advisory: Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.

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: In Maize field if **corn borer** found in the field, spray cypermethrin 2ml/ litre of water. 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 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: **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: If **rhizome rot** is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: 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: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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.-191
Date- 07/05/2021

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 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weather advisory: Light to moderate rain/Thundershower is forecasted for Today and Very light to light rain/thundershower is forecasted for tomorrow and Sunday and very light rainfall is forecasted for Tuesday and 1 dry day is forecasted for Monday in the block. The day temperature will be 34-39°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-85% and 23-31% 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	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	13	2	6	0	1
T-Max(°C)	34	36	35	39	38
T-Min(°C)	24	25	25	25	26
Cloud Cover(/octa)	1	3	2	1	1
RH Max (%)	83	79	85	70	74
RH Min (%)	31	24	28	28	23
Wind Speed (Kmph)	11	11	11	10	10
Wind Direction (deg)	169	167	197	198	206

Agromet Advisory

General advisory: Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.

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: In Maize field if corn borer found in the field, spray cypermethrin 2ml/ litre of water. 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 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: 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: If rhizome rot is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: 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: After rain due to water logging there may be increase in the infestation of phytophthora crown rot or foot rot in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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.-191
Date- 07/05/2021

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 4.4mm and district received average 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weather advisory: very light rainfall is forecasted for Today and Sunday and dry weather is forecasted for other 3 days in the block. The day temperature will be 33-36°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 40-45% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	2	0	2	0	0
T-Max(°C)	33	33	34	36	36
T-Min(°C)	27	27	28	28	28
Cloud Cover(octa)	0	2	2	2	3
RH Max (%)	87	82	83	85	83
RH Min (%)	42	40	44	45	45
Wind Speed(Kmph)	18	21	22	26	24
Wind Direction(deg)	201	198	201	203	201

Agromet Advisory

General advisory: Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.

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: In Maize field if corn borer found in the field, spray cypermethrin 2ml/ litre of water. 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/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 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: 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: If rhizome rot is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: For control of mango fruit borer spray Neem oil 3ml + chlorpyrifos 1 ml per litre of water along with stickers at marble stage of the fruit. The sprayings should be preferably carried out during evening hours. To control bacterial canker, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended. 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: After rain due to water logging there may be increase in the infestation of phytophthora crown rot or foot rot in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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.-191
Date- 07/05/2021

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 0.5 mm and district received average 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weather advisory: Light to moderate rain/Thundershower is forecasted for Tomorrow and Very light to light rain/thundershower is forecasted for today and Sunday and 2 dry days are forecasted for Monday and Tuesday in the block. The day temperature will be 33-38°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-86% and 33-39% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	6	11	2	0	0
T-Max(°C)	33	33	34	35	38
T-Min(°C)	26	27	28	28	27
Cloud Cover(octa)	0	3	2	1	3
RH Max (%)	86	79	81	84	85
RH Min (%)	37	33	39	37	34
Wind Speed (Kmph)	18	22	19	23	22
Wind Direction (deg)	201	198	201	203	201

Agromet Advisory

General advisory: Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.

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: In Maize field if **corn borer** found in the field, spray cypermethrin 2ml/ liter of water. 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: 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: If **rhizome rot** is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 1 ml per litre of water along with stickers at marble stage of the fruit. The sprayings should be preferably carried out during evening hours. To control **bacterial canker**, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended. 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: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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.

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Bulletin No.-191
Date- 07/05/2021

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 2.7 mm and district received average 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weatheradvisory: Light to moderate rain/Thundershower is forecasted for Tomorrow and Very light to light rain/thundershower is forecasted for today and Sunday and 2 dry days are forecasted for Monday and Tuesday in the block. The day temperature will be 33-38°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-86% and 32-39% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Salepur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	6	13	2	0	0
T-Max(°C)	33	33	33	35	38
T-Min(°C)	26	27	28	28	27
Cloud Cover(octa)	0	3	2	2	3
RH Max (%)	86	79	81	84	85
RH Min (%)	36	32	39	35	33
Wind Speed (Kmph)	17	22	19	22	22
Wind Direction (deg)	201	198	201	203	203

Agromet Advisory

General advisory: Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.

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: In Maize field if corn borer found in the field, spray cypermethrin 2ml/ litre of water. 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/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/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: 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: If rhizome rot is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: 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: After rain due to water logging there may be increase in the infestation of phytopthera crown rot or foot rot in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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.-191
Date- 07/05/2021

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 2.6 mm and district received average 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weatheradvisory: *Light to very light rainfall/Thundershower is forecasted for today, tomorrow and Sunday and 2 dry days are forecasted for Monday and Tuesday in the block.* The day temperature will be 35-37°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-86% and 51-57% 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	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	6	8	1	0	0
T-Max(°C)	35	35	36	35	37
T-Min(°C)	28	28	29	29	29
Cloud Cover(octa)	0	2	2	2	3
RH Max (%)	86	81	84	86	86
RH Min (%)	52	51	53	57	54
Wind Speed (Kmph)	19	23	23	28	26
Wind Direction (deg)	198	203	198	203	203

Agromet Advisory

General advisory: *Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remains clear. 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 for upcoming 3 days as rainfall is forecasted.*

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: In Maize field if **corn borer** found in the field, spray cypermethrin 2ml/ liter of water. 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/litr 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: 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: If **rhizome rot** is noticed in the field, drench the solution of Copper oxy chloride at 3g per L of water. 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. 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.

Mango: For control of mango **fruit borer** spray Neem oil 3ml + chlorpyrifos 1 ml per litre of water along with stickers at marble stage of the fruit. The spraying should be preferably carried out during evening hours. To control **bacterial canker**, three sprays of streptomycin (100 ppm) or Agrimycin-100 (100 ppm) after first visual symptom at 10- days intervals is recommended. 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: After rain due to water logging there may be increase in the infestation of **phytophthora crown rot or foot rot** in papaya, so farmers should drain out excess water and drench the soil with fungicide like thiophanate methyl 70%wp 2-4g/ltr of water. 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.-191
Date- 07/05/2021

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 0.4 mm and district received average 1.52 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 24°C, respectively. Mean relative humidity of the district was around 76-63%.

Forecasted period: Today(8.30IST) to 12th May (8.30IST)2021

Weather advisory: Light to moderate rain/Thundershower is forecasted for Today and Very light to light rain/thundershower is forecasted for tomorrow and Sunday and very light rainfall is forecasted for Tuesday and 1 dry day is forecasted for Monday in the block. The day temperature will be 32-39°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-84% and 26-40% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/05/2021	09/05/2021	10/05/2021	11/05/2021	12/05/2021
Rainfall(mm)	11	3	6	0	1
T-Max(°C)	32	35	35	36	39
T-Min(°C)	26	27	27	27	28
Cloud Cover(octa)	2	3	2	2	2
RH Max (%)	83	79	84	80	80
RH Min (%)	40	26	31	30	27
Wind Speed (Kmph)	15	19	17	15	16
Wind Direction (deg)	198	167	189	193	203

Agromet Advisory

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Bulletin No.-191
 Date- 07/05/2021

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

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

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