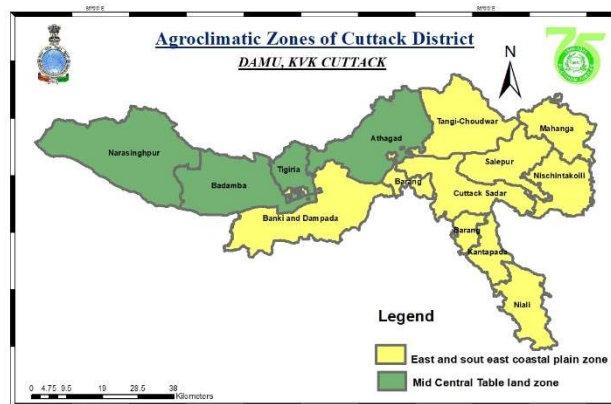
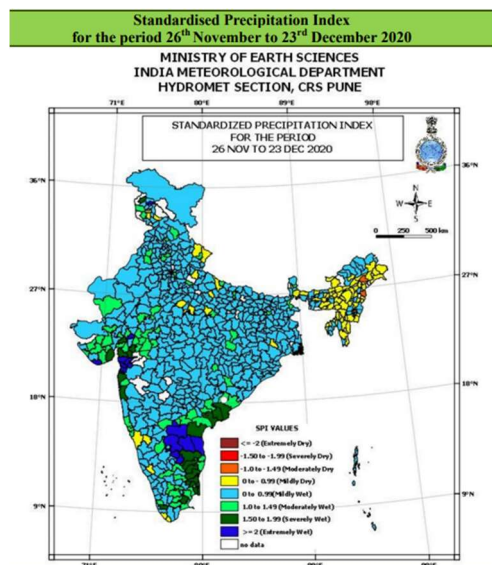


## AGROCLIMATIC ZONES OF CUTTACK DISTRICT:

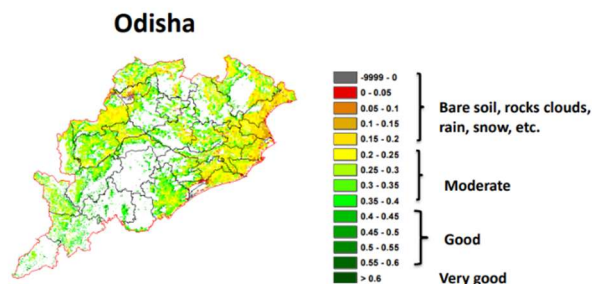


## STANDARD PRECIPITATION INDEX AND NDVI MAP



**As per SPI value (cumulative 4weeks - 26 November 2020 to 23 December 2020), Mildly wet condition was there in Cuttack district.**

NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 51  
 (16.12.2020 to 22.12.2020) over Agricultural region



Agriculture vigour is good over few places of the state.

**According to NDVI map (16.12.2020 to 22.12.2020) the agriculture vigor was Very light to moderate over most places of Cuttack district.**

### **LEGEND(Medium range block level rainfall forecast)**

	No Rainfall
	Very light to light rainfall
	Light to moderate rainfall
	Moderate to heavy rainfall
	Heavy rainfall
	Very heavy rainfall
	Extremely heavy rainfall

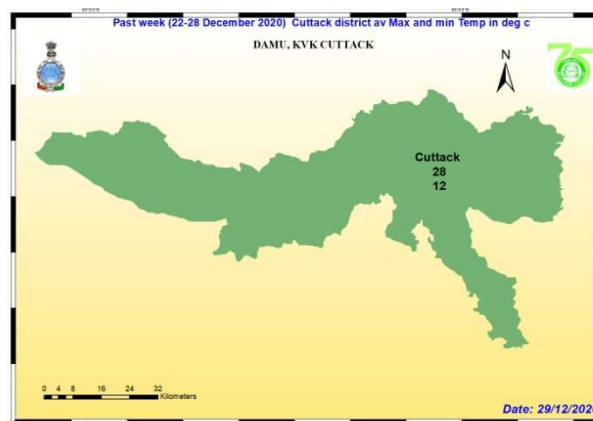
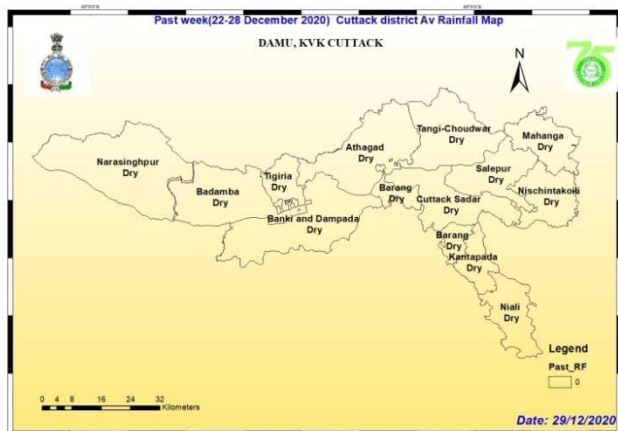


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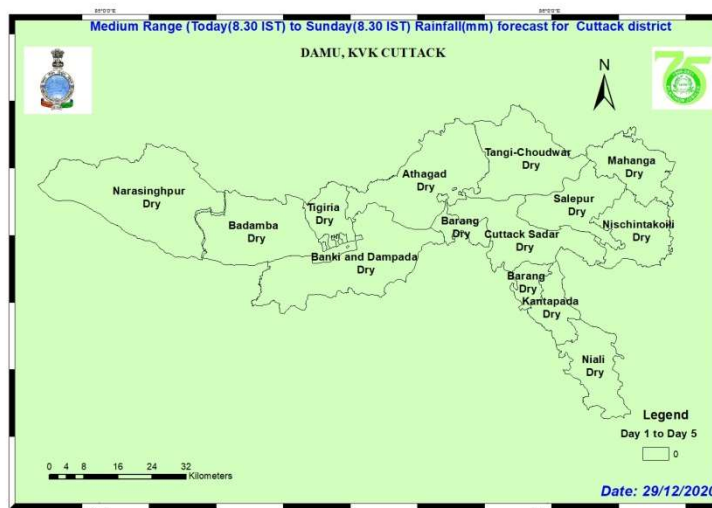


Bulletin No.-154  
Date- 29/12/2020

**Past week Cuttack district Rainfall and Temperature map**



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



Dr Sujata Sethy  
(Nodal officer)



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**Weather( Past and Forecasted) based Disease and pest in Major Crops and vegetables**






Sl No	Crop	Stage and condition of the crop	Anticipated Disease and pest	
1	Pulses (Green gram and black gram)	Vegetative stage		Aphid
				Black headed caterpillar
				Powdery mildew
2	Mustard	Vegetative stage		Aphid
				Saw fly
				Leaf webber
3	Rabi Groundnut	Vegetative stage		Leaf Miner
4	Vegetables (Tomato, Chilli, Brinjal)	Vegetative to fruiting		Thrips
				Mites
				Chili Aphid
5	Brinjal	Fruiting		Fruit and shoot borer
6	Tomato	Vegetative		White fly
				Leaf Curl virus
		Fruiting		Late blight
7	Potato	Sprouting/Vegetative stage		Leaf Blight



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**Date- 29/12/2020**

8	Cole crops ( Cauliflower and cabbage)	Vegetative to fruiting		Leaf eating catterpillar
				Aphid
				Fruit borer
				Diamond back moth
				Tobacco Caterpillar

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(Nodal officer)



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**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDMI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weather advisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 12-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-79% and 22-27% 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	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	29	28	28	28	29
T-Min (°C)	14	13	12	13	14
Cloud Cover (octa)	1	2	3	2	2
RH Max (%)	79	61	68	71	76
RH Min (%)	22	25	27	27	23
Wind Speed (kmph)	6	7	7	6	6
Wind Direction (deg)	23	68	68	72	11

**Agromet Advisory**

**General Advisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly and leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.**
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.





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**Bulletin No.-154**  
**Date- 29/12/2020**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDMI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weatheradvisory:**No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°Cand night temperature will be 11-13°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 65-80% and 21-27% respectively. There will be mainly clear to partly cloudy skyfor next 5days.

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	29
T-Min(°C)	13	12	11	12	13
Cloud Cover(octa)	2	2	3	1	1
RH Max (%)	80	65	73	76	78
RH Min (%)	21	26	26	27	23
Wind Speed (Kmph)	5	6	6	6	5
Wind Direction (deg)	68	63	63	75	11

**Agromet Advisory**

**GeneralAdvisory:**No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar** and **black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.To manage **Mustard sawfly** and **leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

• **Vegetables:**

- **Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.**

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water

- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.

- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water.**Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation.Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.



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



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**Debasish Jena**

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**Email: kvkcuttack@gmail.com**



**Bulletin No.-154**  
**Date- 29/12/2020**

**AGROMET ADVISORY BULLETIN FORBANKI**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDMI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weatheradvisory:**No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 13-14°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 62-81% and 21-27% 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	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	29
T-Min(°C)	13	12	11	12	13
Cloud Cover(octa)	2	2	3	2	2
RH Max (%)	81	62	70	75	80
RH Min (%)	21	25	26	27	23
Wind Speed (Kmph)	6	7	7	6	6
Wind Direction (deg)	150	68	63	68	11

**Agromet Advisory**

**GeneralAdvisory:**No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

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**Rabi-Groundnut:**

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**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.To manage **Mustard sawfly** and **leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

• **Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.

- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water

- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.

- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water.**Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation.Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.



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**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA**

**District Past week weather condition**

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDMI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weather Advisory:** No rainfall is forecasted for upcoming 5 days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 13-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-80% and 21-27% 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	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	29
T-Min(°C)	13	12	11	12	13
Cloud Cover(octa)	2	2	3	2	2
RH Max (%)	80	61	69	74	79
RH Min (%)	21	25	26	27	23
Wind Speed (Kmph)	6	7	7	6	6
Wind Direction (deg)	23	68	68	68	11

**Agromet Advisory**

**General Advisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly and leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.**
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

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**(A Unit of ICAR-National Rice Research Institute)**  
**Email: kvkcuttack@gmail.com**



**Bulletin No.-154**  
**Date- 29/12/2020**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDMI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-73% and 22-27% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Baranga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	29
T-Min(°C)	14	14	14	15	15
Cloud Cover	1	1	3	2	2
RH Max (%)	73	56	60	64	67
RH Min (%)	22	25	27	26	23
Wind Speed (Kmph)	7	9	8	8	6
Wind Direction (deg)	360	60	68	90	349

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar** and **black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly** and **leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

• **Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.



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



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**GRAMIN KRISHI MAUSAM SEWA**  
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**Bulletin No.-154**  
**Date- 29/12/2020**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDMI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weatheradvisory:**No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-71% and 22-27% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Cuttack sadar(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	29
T-Min(°C)	14	14	14	15	15
Cloud Cover(octa)	1	1	3	2	2
RH Max (%)	71	58	62	63	65
RH Min (%)	22	25	27	26	23
Wind Speed (Kmph)	7	9	8	7	6
Wind Direction (deg)	360	60	60	72	360

**Agromet Advisory**

**GeneralAdvisory:**No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar** and **black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid** and **powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.To manage **Mustard sawfly** and **leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

- **Vegetables:**
- **Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.**
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water.**Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation.Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.



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



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**Bulletin No.-154**  
**Date- 29/12/2020**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDMI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weatheradvisory:**No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 14-15°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 53-69% and 23-28% 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	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	29
T-Min(°C)	14	14	15	15	15
Cloud Cover(octa)	2	1	3	2	2
RH Max (%)	69	53	58	64	63
RH Min (%)	23	27	28	27	23
Wind Speed (Kmph)	8	10	9	9	7
Wind Direction (deg)	349	30	23	333	11

**Agromet Advisory**

**GeneralAdvisory:**No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar** and **black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.To manage **Mustard sawfly** and **leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.**
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenofos@2ml/litre of water
- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water.**Leaf eating caterpillar** and **fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation.Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.



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**(Nodal officer)**



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**Bulletin No.-154**  
**Date- 29/12/2020**

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDMI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-61% and 23-29% 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	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	29
T-Min(°C)	14	14	14	15	15
Cloud Cover(octal)	1	1	3	2	2
RH Max (%)	61	56	58	55	51
RH Min (%)	24	27	29	26	23
Wind Speed (Kmph)	8	10	9	8	7
Wind Direction (deg)	349	30	23	90	11

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar** and **black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly** and **leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenofos@2ml/litre of water
- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. **Leaf eating caterpillar** and **fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.



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**(Nodal officer)**



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**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature will be 28°C and 12°C, respectively. **According to NDVI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weatheradvisory:**No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 27-28°C and night temperature will be 11-12°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-79% and 21-27% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Narasinghpur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	27	27	27	28
T-Min(°C)	12	11	11	12	12
Cloud Cover(/octa)	1	2	3	1	1
RH Max (%)	77	72	79	76	68
RH Min (%)	21	26	27	27	22
Wind Speed (Kmph)	4	5	5	5	4
Wind Direction (deg)	45	68	135	135	19

**Agromet Advisory**

**GeneralAdvisory:**No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar** and **black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.To manage **Mustard sawfly** and **leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.**
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water.**Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation.Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.





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**Bulletin No.-154**  
**Date- 29/12/2020**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDVI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-69% and 24-30% 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	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	29
T-Min(°C)	14	14	15	15	15
Cloud Cover(octa)	2	1	3	2	2
RH Max (%)	69	54	58	65	64
RH Min (%)	25	28	30	29	24
Wind Speed(Kmph)	9	11	10	9	8
Wind Direction(deg)	15	45	68	75	360

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly and leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

• **Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.

**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.



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



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Bulletin No.-154  
Date- 29/12/2020

**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDVI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-63% and 23-29% 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	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	29
T-Min(°C)	14	14	14	15	15
Cloud Cover(octa)	1	1	3	2	2
RH Max (%)	63	56	57	55	53
RH Min (%)	24	27	29	27	23
Wind Speed (Kmph)	8	10	9	8	8
Wind Direction (deg)	349	30	23	90	11

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly and leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin @ 1g/litre or Profenophos @ 2ml/litre of water
- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm @ 600ml/acre and Emamectin benzoate @ 70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @ 600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.



**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

Dr Sujata Sethy  
(Nodal officer)



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Bulletin No.-154  
Date- 29/12/2020

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDVI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weather advisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-63% and 23-29% 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	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	28	28	28	29
T-Min(°C)	14	14	14	15	15
Cloud Cover(octa)	1	1	3	2	2
RH Max (%)	63	55	57	56	53
RH Min (%)	23	27	29	26	23
Wind Speed (Kmph)	8	10	9	8	7
Wind Direction (deg)	349	30	23	90	11

**Agromet Advisory**

**General Advisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly and leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.**
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. **Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.



**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

Dr Sujata Sethy  
(Nodal officer)



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**Bulletin No.-154**  
**Date- 29/12/2020**

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDVI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 18-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-64% and 31-38% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	28	28	29
T-Min(°C)	18	19	19	19	19
Cloud Cover(octa)	2	1	4	2	2
RH Max (%)	64	62	62	55	53
RH Min (%)	33	36	38	36	31
Wind Speed (Kmph)	10	13	12	11	11
Wind Direction (deg)	108	45	65	68	23

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar** and **black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid** and **powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water. To manage **Mustard sawfly** and **leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.**
- **Thrips** and **mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water. **Leaf eating caterpillar** and **fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb 14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.



**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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



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Bulletin No.-154  
Date- 29/12/2020

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 28°C and 12°C, respectively. **According to NDVI map (16.12.2020 to 22.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-26 November2020 to 23December 2020), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 03<sup>rd</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Sunday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 11-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-81% and 22-27% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Tigiria(VAID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/12/2020	31/12/2020	01/01/2021	02/01/2021	03/01/2021
Rainfall(mm)	0	0	0	0	0
00T-Max(°C)	29	28	28	28	29
T-Min(°C)	13	12	11	12	13
Cloud Cover(octa)	1	2	3	1	1
RH Max (%)	81	63	70	74	79
RH Min (%)	22	26	27	27	23
Wind Speed (Kmph)	6	7	6	6	6
Wind Direction (deg)	60	68	68	68	11

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement. Go for threshing of the harvested paddy. After threshing, paddy grains need to be sun-dried to 14% moisture for consumption purpose and for seed purpose it should be dried to 12% moisture for better self-life. **Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.**

**Pulses:**

In green gram/black gram, chances of infestation of **leaf eating caterpillar and black headed caterpillar** likely to occur. To control them, spray mixture of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon. Cloudy weather may aggravate the infestation of **aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and spray 3 g Sulfex or 1 ml Propiconazole 10% EC or 1 ml Tebiconazole 25.9%EC per litre water for controlling Powdery mildew.

**Rabi-Groundnut:**

To manage **leaf miner** spray Neem Based Pesticide (Azadirachtin) 300 PPM @ 1-litre /acre during primary stage of infestation. To manage chemically spray Profenophos 50% EC @ 400 ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 -litre of water.

**Mustard:**

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.To manage **Mustard sawfly and leaf webber** spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyriphos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.

**Vegetables:**

- **Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature.**
- **Thrips and mites** are prominent pests in vegetables at present. To control both, spray Bifenthrin@1g/litre or Profenophos@2ml/litre of water
- To control the **sucking pests like aphid & white fly**, spray Imidacloprid @ 5ml/10 lit of water.
- Current weather is favourable for attack of **Cabbage webber** and **tobacco caterpillar** in cole crops. To control these insects, go for alternate spray of Neem based formulation 1500ppm@600ml/acre and Emamectin benzoate@70g/acre in 200 lit water.**Leaf eating caterpillar and fruit borer** may infest cabbage, cauliflower and tomato. Spray fipronil 5% SL 400ml or emamectinbenzoate 5% SG 80gm or indoxacarb14.5% SC mixing in 200lit. of water per acre crop. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation.Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- **POTATO:** There are chances of Leaf Blight disease incidence in potato crop. To manage **early leaf blight** in potato, spray Mancozeb 75% WP @600 gram/acre or Carbendazim 12% + Mancozeb 63% W.P @ 400-gram/acre. To manage **late blight** in potato spray Metalaxyl 8% + Mancozeb 64% W.P @ 400- gram/acre at 10 days interval.



**Animal husbandry:**

- As the minimum temperature will continue to remain low for five days, the poultry birds should be protected from cold injury using electric bulb. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%- 20% in the daily ration during winter season to meet the energy requirement of the animals.

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