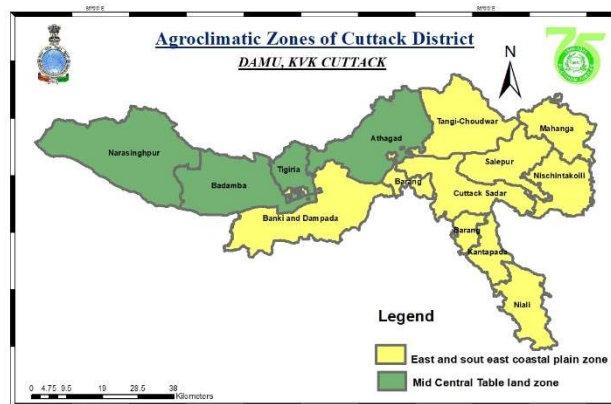
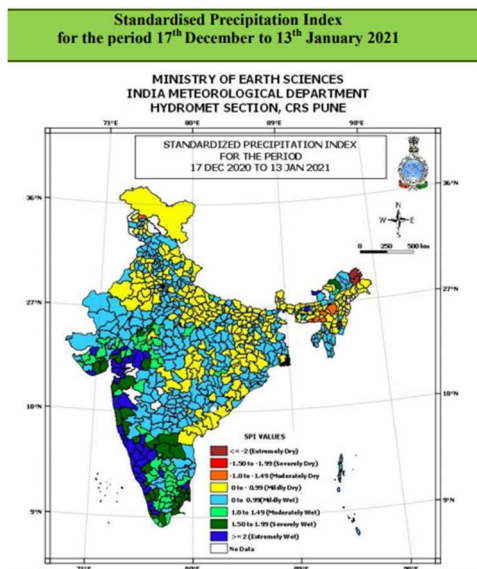


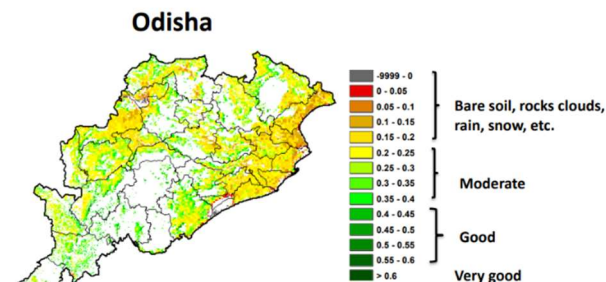
## AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



## STANDARD PRECIPITATION INDEX AND NDVI MAP



NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 01  
(01.01.2021 to 07.01.2021) over Agricultural region



Agriculture vigour is good over few places of the state.

As per SPI value (cumulative 4weeks - 17December 2020 to 13 January 2021), Mildly wet condition was there in Cuttack district.

According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks 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

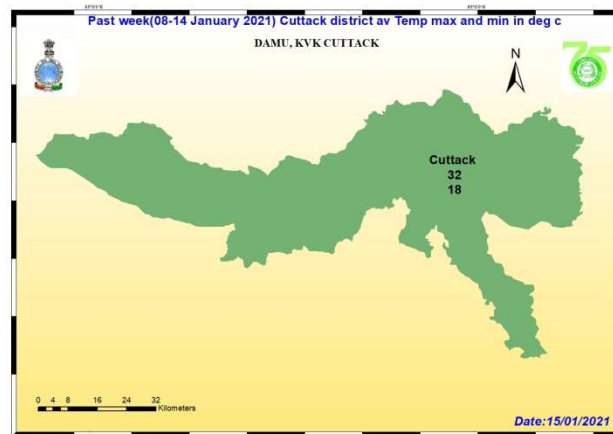
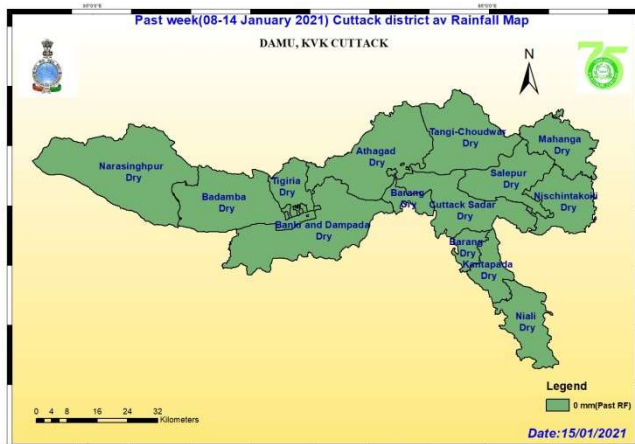


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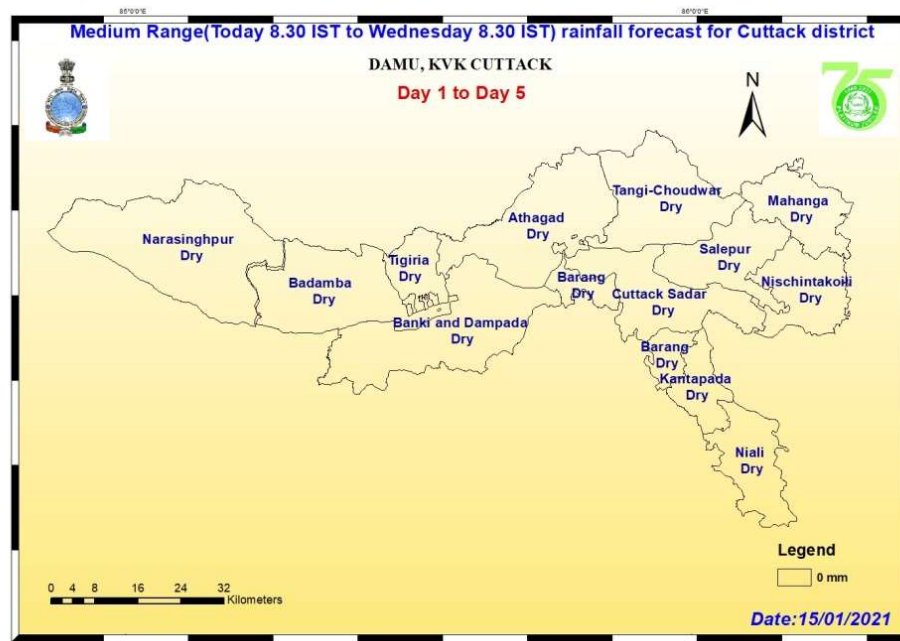


Bulletin No.-159  
Date- 15/01/2021

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



**Medium range (Today (8.30IST) to Wednesday (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 to flowering		Aphid
				Black headed caterpillar
				White fly
				YMV
2	Mustard	Vegetative stage to flowering		Aphid
				Saw fly
				Leaf webber
				Stink Bug
3	Rabi Groundnut	Vegetative stage to flowering		Tikka disease
				Aphid and Mites
4	Vegetables (Tomato, Chilli, Brinjal)	Vegetative to fruiting		Thrips
				Mites
				Chili Aphid
6	Tomato	Flowering to Fruting		Leaf Curl virus
7	Potato	Sprouting/Vegetative stage		Leaf Blight



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**Bulletin No.-159**  
**Date- 15/01/2021**

				<b>Aphid</b>
<b>8</b>	<b>Cole crops (Cauliflower and cabbage)</b>	<b>Vegetative to fruiting</b>		<b>Leaf eating caterpillar</b>
				<b>Aphid</b>
				<b>Fruit borer</b>
				<b>Diamond back moth</b>
				<b>Tobacco Caterpillar</b>

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



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**Bulletin No.-159**  
**Date- 15/01/2021**

**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 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> January (8.30IST)2021**

**Weather advisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 29-30°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-93% and 12-30% respectively. There will be mainly clear sky for next 5days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	29	29	29	29	30
T-Min (°C)	14	15	18	17	18
Cloud Cover (octa)	1	0	0	0	0
RH Max (%)	56	60	93	85	92
RH Min (%)	15	12	26	30	29
Wind Speed (kmph)	6	6	5	7	8
Wind Direction (deg)	330	18	111	162	214

**Agromet Advisory**

**General Advisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 **white fly**, **aphid** and **powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and **Whitefly** 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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride @ 0.2gm/lit.

**Rabi-Groundnut:**

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids** and **thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage **tikka disease** in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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** and **stink bug** 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 and stink bugs 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 Webbers** 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:** **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.
- **Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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 emamectin benzoate 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-159**  
**Date- 15/01/2021**

**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 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 29-30°C and night temperature will be 14-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-96% and 12-35% respectively. There will be mainly clear sky for next 5 days.

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	29	29	29	30
T-Min(°C)	14	15	17	17	17
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	58	56	96	90	94
RH Min (%)	16	12	26	35	29
Wind Speed (Kmph)	6	5	5	8	7
Wind Direction (deg)	300	11	113	193	206

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

**Rabi-Groundnut:**

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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 and stink bug 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 and stink bugs 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 Webbers 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:** 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.
- **Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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 emamectin benzoate 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-159**  
**Date- 15/01/2021**

**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 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup>January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 29°C and night temperature will be 14-18°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 62-94% and 13-34% respectively. There will be mainly clearskyfor next 5days.

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	29	29	29
T-Min(°C)	14	15	18	17	18
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	67	62	94	86	92
RH Min (%)	18	13	28	34	32
Wind Speed (Kmph)	6	6	6	8	9
Wind Direction (deg)	300	18	116	180	206

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 **white fly, aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and **Whitefly** 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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

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- **Vegetables:** **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.
- **Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week)stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-159**  
**Date- 15/01/2021**

**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA**

**District Past week weather condition**

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> January (8.30IST)2021**

**Weather Advisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 29°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-94% and 14-33% respectively. There will be mainly clear sky for next 5days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	29	29	29
T-Min(°C)	14	16	18	17	18
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	69	63	94	85	92
RH Min (%)	18	14	28	33	32
Wind Speed (Kmph)	6	6	6	8	10
Wind Direction (deg)	300	18	124	180	206

**Agromet Advisory**

**General Advisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride @0.2gm/lit.

**Rabi-Groundnut:**

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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 and stink bug 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 and stink bugs 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 Webbers 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:** 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.
- Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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 emamectin benzoate 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.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- 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.
- Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-159**  
**Date- 15/01/2021**

**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 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 29°C and night temperature will be 15-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-91% and 16-33% respectively. There will be mainly clear sky for next 5days.

Block	Baranga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	29	29	29
T-Min(°C)	15	16	18	18	19
Cloud Cover	1	0	0	0	0
RH Max (%)	83	75	91	78	91
RH Min (%)	19	16	29	30	33
Wind Speed (Kmph)	7	7	6	8	11
Wind Direction (deg)	300	360	120	180	207

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 **white fly, aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and **Whitefly** 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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

**Rabi-Groundnut:**

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage **tikka disease** in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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** and **stink bug** 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 and stink bugs 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 Webbers** 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:** **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.
- **Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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 emamectin benzoate 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-159**  
**Date- 15/01/2021**

**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 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 29°C and night temperature will be 15-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-91% and 13-30% respectively. There will be mainly clear sky for next 5days.

Block	Cuttack sadar(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	29	29	29
T-Min(°C)	15	16	18	18	19
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	72	76	91	79	91
RH Min (%)	15	13	27	29	30
Wind Speed (Kmph)	7	7	5	7	10
Wind Direction (deg)	300	315	113	195	212

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride@0.2gm/lit.

**Rabi-Groundnut:**

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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 and stink bug 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 and stink bugs 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 Webbers 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:** 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.
- Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- 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.
- Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-159**  
**Date- 15/01/2021**

**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 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 16-19°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 74-93% and 23-37% respectively. There will be mainly clear sky for next 5days.

Block	Kantapada(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	29	28	28
T-Min(°C)	16	17	19	18	19
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	93	88	89	74	90
RH Min (%)	25	23	33	33	37
Wind Speed (Kmph)	7	6	7	8	13
Wind Direction (deg)	225	360	120	195	203

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

**Rabi-Groundnut:**

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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 and stink bug 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 and stink bugs 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 Webberspray 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:** 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.
- **Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week)stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-159**  
**Date- 15/01/2021**

**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 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-91% and 13-32% respectively. There will be mainly clear sky for next 5days.

Block	Mahanga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	29	28	29
T-Min(°C)	15	16	17	18	18
Cloud Cover(octal)	1	0	0	0	0
RH Max (%)	89	91	89	74	91
RH Min (%)	15	13	31	32	30
Wind Speed (Kmph)	8	7	6	7	11
Wind Direction (deg)	326	330	115	195	206

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

**Rabi-Groundnut:**

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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 and stink bug 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 and stink bugs 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 Webbers 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:** 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.
- **Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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 emamectin benzoate 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-159**  
**Date- 15/01/2021**

**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 was 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-31°C and night temperature will be 14-17°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 55-98% and 10-35% respectively. There will be mainly clear sky for next 5days.

Block	Narasinghpur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	29	28	31
T-Min(°C)	14	15	17	16	17
Cloud Cover(/octa)	1	0	1	0	0
RH Max (%)	60	55	98	96	95
RH Min (%)	14	10	24	35	26
Wind Speed (Kmph)	5	4	4	6	5
Wind Direction (deg)	324	360	113	180	216

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 **white fly, aphid and powdery mildew** in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and **Whitefly** 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. Present weather condition was favourable for the incidence of **yellow mosaic virus** which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride@0.2gm/ltr.

**Rabi-Groundnut:**

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage **aphids and thrips** spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage **tikka disease** in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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** and **stink bug** 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 and stink bugs 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 Webbers** 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:** **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.
- **Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week)stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control **tomato leaf curl virus** in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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Bulletin No.-159  
Date- 15/01/2021

**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 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks- 17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-95% and 30-41% respectively. There will be mainly clear sky for next 5 days.

Block	Niali(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	29	28	28
T-Min(°C)	17	17	18	19	19
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	95	92	87	72	88
RH Min (%)	32	30	38	36	41
Wind Speed(Kmph)	8	8	7	9	13
Wind Direction(deg)	225	270	135	195	203

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride@0.2gm/lit.

**Rabi-Groundnut:**

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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 and stink bug 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 and stink bugs 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 Webbers 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:** 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.
- Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- 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.
- Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

Dr Sujata Sethy  
(Nodal officer)



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Bulletin No.-159  
Date- 15/01/2021

**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 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 15-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-91% and 17-32% respectively. There will be mainly clearsky for next 5days.

Block	Nischintakoili(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	29	28	29
T-Min(°C)	15	17	18	18	19
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	90	90	88	74	91
RH Min (%)	17	17	32	32	32
Wind Speed (Kmph)	7	7	7	8	12
Wind Direction (deg)	326	330	116	195	203

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride@0.2gm/lit.

**Rabi-Groundnut:**

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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 and stink bug 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 and stink bugs 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 Webberspray 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:** 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.
- Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- 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.
- Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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**Bulletin No.-159**  
**Date- 15/01/2021**

**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 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 15-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-91% and 14-31% respectively. There will be mainly clear sky for next 5days.

Block	Salepur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	29	28	29
T-Min(°C)	15	16	18	18	19
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	88	88	88	75	91
RH Min (%)	17	14	30	31	31
Wind Speed (Kmph)	7	7	6	8	11
Wind Direction (deg)	326	330	110	195	204

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/lit or Acetamipride@0.2gm/lit.

**Rabi-Groundnut:**

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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 and stink bug 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 and stink bugs 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 Webbers 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:** 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.
- **Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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 emamectin benzoate 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.
- **Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting .
- **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.
- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-159**  
**Date- 15/01/2021**

**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 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks- 17 December 2020 to 13 January 2021), Mildly wet condition was there.**

**Forecasted period: Today (8.30 IST) to 20<sup>th</sup> January (8.30 IST) 2021**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 28-30°C and night temperature will be 15-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-95% and 36-50% respectively. There will be mainly clear sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	29	29	29	28	30
T-Min (°C)	15	16	18	18	19
Cloud Cover (octa)	1	2	0	0	0
RH Max (%)	95	92	82	66	82
RH Min (%)	37	36	50	44	45
Wind Speed (Kmph)	8	9	9	10	15
Wind Direction (deg)	180	180	115	180	203

**Agromet Advisory**

**General Advisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**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 white fly, aphid and powdery mildew in pulses. Spray 2 ml. Dimethoate or Metacystox per litre water to control aphid and Whitefly 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. Present weather condition was favourable for the incidence of yellow mosaic virus which was caused by the vector white fly. To control go for spraying of triazophos @ 2ml/ltr or Acetamipride @ 0.2gm/ltr.

**Rabi-Groundnut:**

Farmers are advised to do intercultivation and apply Gypsum @200 kg/ acre in Groundnut which is at flowering stage. To manage aphids and thrips spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water. To manage tikka disease in groundnut farmers should spray with 500g Blitox-50 powder in 200 litre 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 and stink bug 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 and stink bugs 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 Webbers 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:** 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.
- Cabbage and Cauliflower:** The transplanted cabbage is at head development (6-9 week) and cauliflower is at curd development (6-9 week) stage. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage and cauliflower. Irrigate the crop after fertilizer application. 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 emamectin benzoate 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.
- Tomato:** Transplanted seedlings are at 6-8 week stage in main field. Complete hoeing, weeding and apply 27 kg urea at six week stage. Irrigate the crops after fertilizer application. To control tomato leaf curl virus in field, Spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 1 ml/litre of 10 water at 15, 25, 45 days after transplanting.
- 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.
- Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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



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**Bulletin No.-159**  
**Date- 15/01/2021**

**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 32°C and 18°C, respectively. Mean relative humidity of the district was around 85-62%. **According to NDVI map (01.01.2021 to 07.01.2021) the agriculture vigor was Very light over most eastern blocks and light to moderate over most western blocks of Cuttack district whereas according to SPI value(cumulative 4 weeks-17 December2020 to 13January 2021), Mildly wet condition was there.**

**Forecasted period: Today(8.30IST) to 20<sup>th</sup> January (8.30IST)2021**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Wednesday (8.30 IST)) in the block. The day temperature will be 29-30°C and night temperature will be 14-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 49-95% and 12-32% respectively. There will be mainly clear sky for next 5days.

Block	Tigiria(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/01/2021	17/01/2021	18/01/2021	19/01/2021	20/01/2021
Rainfall(mm)	0	0	0	0	0
00T-Max(°C)	29	29	29	29	30
T-Min(°C)	14	15	18	17	18
Cloud Cover(octa)	1	0	0	0	0
RH Max (%)	49	53	95	88	93
RH Min (%)	15	12	26	32	28
Wind Speed (Kmph)	6	5	5	7	7
Wind Direction (deg)	315	18	111	180	214

**Agromet Advisory**

**GeneralAdvisory:** No rainfall and dry weather expected during next five days. So, go for irrigation in crop field as per requirement for crop water demand as well as soil temperature maintenance. Present weather conditions may increase the infestation of sucking pest like Aphid, mites, thrips. To manage these insects spray Thiamethoxam 25% W.G @ 40 gram/acre or Imidacloprid 17.8% SL @ 50-ml/acre by mixing it in 200 litre of water.

**Pulses:**

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- **Onion:** The transplanted seedlings are at seedling establishment to four week stage in main field. Irrigate the crop at 10 days interval. Go for hoeing, weeding and 1 st top dressing with 45kg urea per acre crop area at 4 week stage of crop followed by irrigation.

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