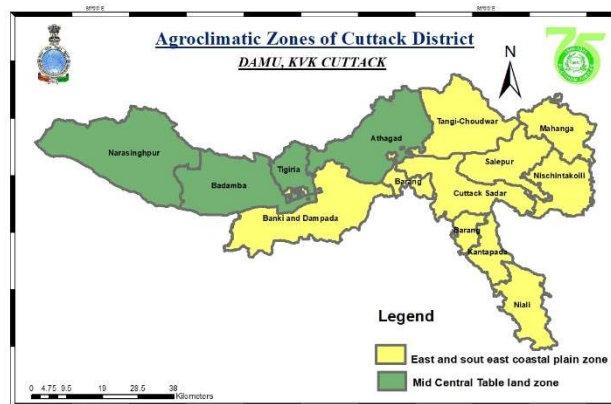
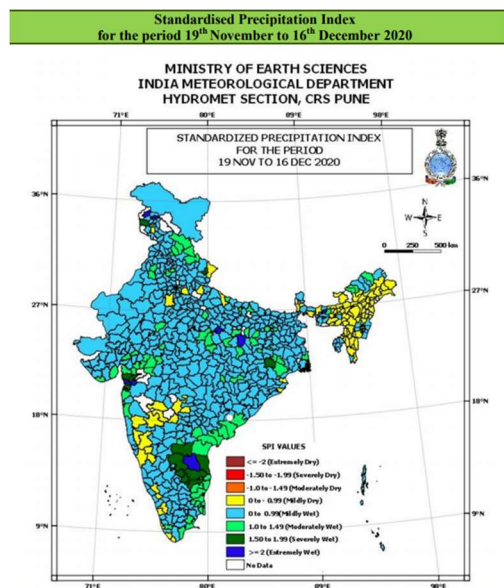


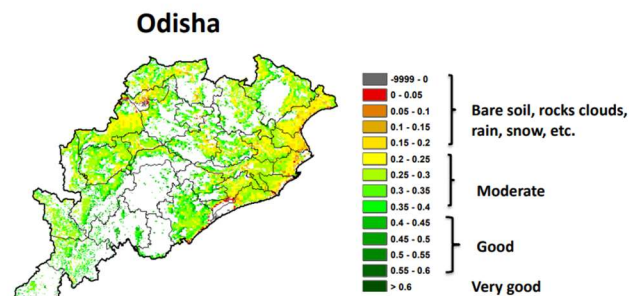
AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARDIZED PRECIPITATION INDEX AND NDVI MAP



NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 50
(09.12.2020 to 15.12.2020) over Agricultural region



Agriculture vigour is good over few places of the state.

As per SPI value (cumulative 4weeks - 19 November 2020 to 16 December 2020), Mildly wet condition was there in Cuttack district.

According to NDVI map (09.12.2020 to 15.12.2020) 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

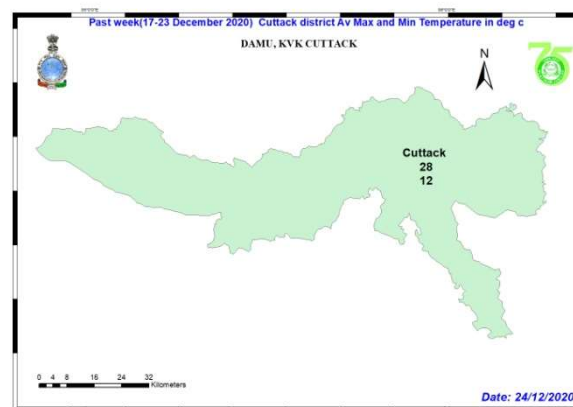
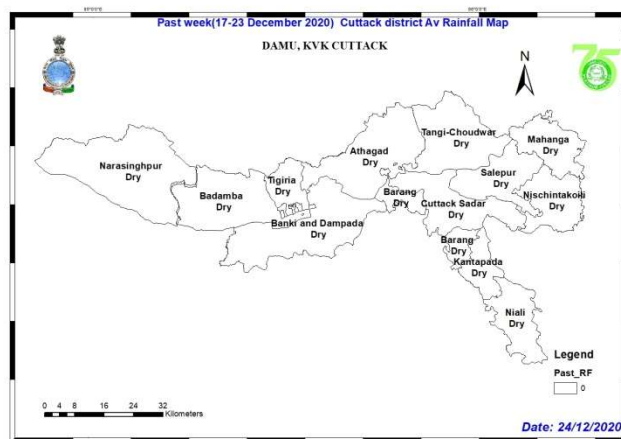


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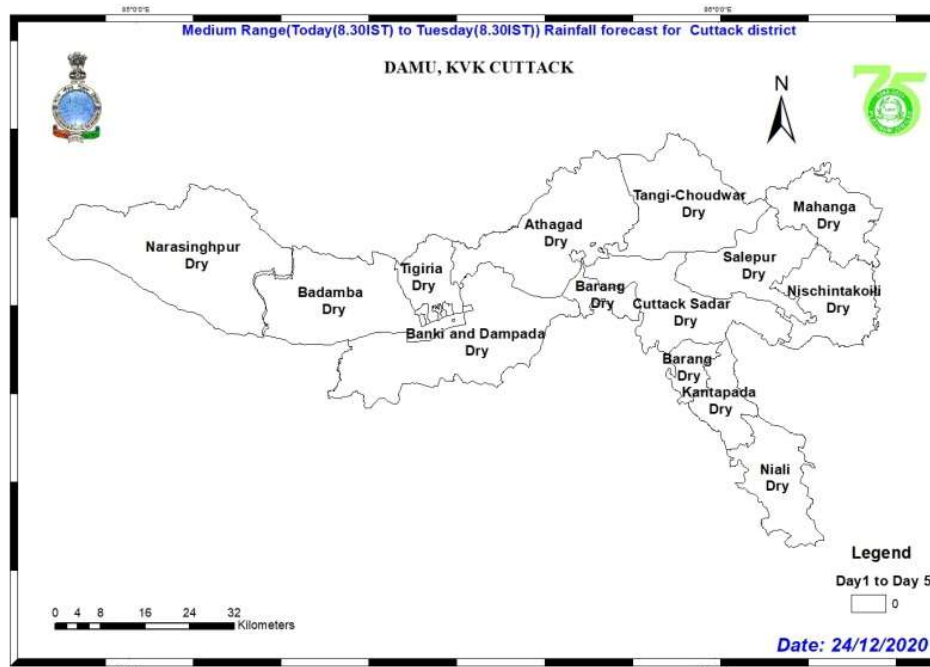


Bulletin No.-153
Date- 24/12/2020

Past week Cuttack district Rainfall and Temperature map



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



Dr Sujata Sethy
(Nodal officer)



















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APP for Lightening alert in your area



Debasish Jena
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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
1	Mustard	Vegetative stage		Aphid
				Saw fly
2	Rabi Groundnut	Vegetative stage		Leaf Miner
3	Vegetables (Tomato, Chilli, Brinjal)	Vegetative to fruiting		Thrips
				Mites
				Chili Aphid
4	Brinjal	Fruiting		Fruit and shoot borer
5	Tomato	Vegetative		White fly
				Leaf Curl virus
		Fruiting		Late blight
6	Potato	Sprouting/Vegetative stage		Leaf Blight
	Cole crops (Cauliflower and cabbage)	Vegetative to fruiting		Leaf eating caterpillar
7				Aphid
				Fruit borer
				Diamond back moth
				Tobacco Caterpillar



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Bulletin No.-153
Date- 24/12/2020

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 (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.**

Forecasted period: Today (8.30 IST) to 30th December (8.30 IST) 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Tuesday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 13°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-77% and 22-25% respectively. There will be mainly clear sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	28	28	28	29
T-Min (°C)	13	13	13	13	13
Cloud Cover (octa)	1	0	0	3	0
RH Max (%)	77	75	56	67	72
RH Min (%)	25	25	25	23	22
Wind Speed (kmph)	5	6	6	5	4
Wind Direction (deg)	60	11	11	18	342

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: Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water. 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** 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:**

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 after this rain. 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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm. Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.



Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-153
Date- 24/12/2020

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 NDVI map (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.**

Forecasted period: Today (8.30IST) to 30th December (8.30IST) 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30IST) to Tuesday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 12°C for upcoming 5 days. Maximum and minimum relative humidity will be 62-77% and 23-25% respectively. There will be mainly clear sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	28	29	29	29
T-Min (°C)	12	12	12	12	12
Cloud Cover (octa)	1	0	0	3	0
RH Max (%)	70	73	62	71	77
RH Min (%)	23	25	25	23	24
Wind Speed (Kmph)	5	5	5	5	3
Wind Direction (deg)	113	18	11	23	108

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: Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water. 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** 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 after this rain. 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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.



Dr Sujata Sethy
(Nodal officer)



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AGROMET ADVISORY BULLETIN FORBANKI

District Past week weatherconditionand 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 (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttackdistrictwhereas according to SPI value(cumulative 4 weeks-19 November2020 to 16December 2020), Mildly wet condition was there.**

Forecasted period: Today(8.30IST) to 30th December (8.30IST)2020

Weatheradvisory: No rainfall is forecasted for upcoming 5days (Today (8.30IST) to Tuesday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 12-13°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 59-76% and 22-25% respectively. There will be mainly clear skyfor next 5days.

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	28	29	28	29
T-Min(°C)	12	13	12	12	13
Cloud Cover(octa)	1	0	0	3	0
RH Max (%)	74	76	59	70	76
RH Min (%)	24	25	25	22	23
Wind Speed (Kmph)	5	6	6	5	4
Wind Direction (deg)	150	11	11	23	342

Agromet Advisory

General Adviosry: 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: Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water. 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** 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 after this rain. 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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Bulletin No.-153
Date- 24/12/2020

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 NDVI map (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.**

Forecasted period: Today (8.30 IST) to 30th December (8.30 IST) 2020

Weather Advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Tuesday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 12-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-76% and 22-25% respectively. There will be mainly clear sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	28	28	28	29
T-Min (°C)	13	13	12	12	13
Cloud Cover (octa)	1	0	0	3	0
RH Max (%)	74	76	58	69	75
RH Min (%)	24	25	25	22	23
Wind Speed (Kmph)	5	6	6	5	4
Wind Direction (deg)	150	360	11	23	342

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: Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water. 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** 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 after this rain. 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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

Dr Sujata Sethy
(Nodal officer)



Follow Meghdoot Mobile APP for Agromet advisories in local language and DAMINI APP for Lightening alert in your area



Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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 NDVI map (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.**

Forecasted period: Today (8.30 IST) to 30th December (8.30 IST) 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Tuesday (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 52-75% and 21-24% respectively. There will be mainly clear sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	28	28	28	29
T-Min (°C)	14	14	14	13	14
Cloud Cover	0	0	0	3	1
RH Max (%)	75	69	52	57	70
RH Min (%)	24	24	24	21	21
Wind Speed (Kmph)	6	7	8	7	6
Wind Direction (deg)	338	360	345	360	341

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: Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water. 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** 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 after this rain. 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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.





GRAMIN KRISHI MAUSAM SEWA
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Bulletin No.-153
Date- 24/12/2020

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 NDVI map (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.**

Forecasted period: Today (8.30 IST) to 30th December (8.30 IST) 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Tuesday (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 51-75% and 21-25% respectively. There will be mainly clear sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	28	28	28	29
T-Min (°C)	14	14	14	13	14
Cloud Cover (octa)	1	0	0	3	0
RH Max (%)	75	69	51	57	66
RH Min (%)	25	24	24	22	21
Wind Speed (Kmph)	5	6	7	6	5
Wind Direction (deg)	338	360	345	360	349

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:

Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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** 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 after this rain. 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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.



Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
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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 NDVI map (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.**

Forecasted period: Today (8.30 IST) to 30th December (8.30 IST) 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Tuesday (8.30 IST)) in the block. The day temperature will be 27-28°C and night temperature will be 14°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-74% and 21-25% respectively. There will be mainly clear sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	27	28	28	28	28
T-Min (°C)	14	14	14	14	14
Cloud Cover (octa)	0	0	0	3	2
RH Max (%)	74	67	53	58	70
RH Min (%)	25	24	23	21	21
Wind Speed (Kmph)	6	7	9	8	7
Wind Direction (deg)	338	11	23	11	360

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:

Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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** 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 after this rain. 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.
- **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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cows shed warm.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.





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Bulletin No.-153
Date- 24/12/2020

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 NDVI map (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.**

Forecasted period: Today (8.30 IST) to 30th December (8.30 IST) 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Tuesday (8.30 IST)) in the block. The day temperature will be 28°C and night temperature will be 14°C for upcoming 5 days. Maximum and minimum relative humidity will be 48-68% and 21-25% respectively. There will be mainly clear sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	28	28	28	28
T-Min (°C)	14	14	14	14	14
Cloud Cover (octal)	1	0	0	3	0
RH Max (%)	68	57	48	48	59
RH Min (%)	25	23	23	22	21
Wind Speed (Kmph)	6	8	8	7	6
Wind Direction (deg)	333	18	23	18	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:

Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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** 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 after this rain. 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.
- **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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cows shed warm.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.



Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-153
Date- 24/12/2020

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 28°C and 12°C, respectively. **According to NDVI map (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.**

Forecasted period: Today (8.30 IST) to 30th December (8.30 IST) 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Tuesday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 11-12°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-73% and 21-24% respectively. There will be mainly clear sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	28	29	29	29
T-Min (°C)	11	12	12	11	11
Cloud Cover (/octa)	1	0	0	3	0
RH Max (%)	63	65	63	70	73
RH Min (%)	21	23	24	22	23
Wind Speed (Kmph)	4	4	4	4	2
Wind Direction (deg)	68	11	18	23	135

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: Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water. 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** 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 after this rain. 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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.



Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com



Bulletin No.-153
Date- 24/12/2020

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 (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.**

Forecasted period: Today (8.30 IST) to 30th December (8.30 IST) 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Tuesday (8.30 IST)) in the block. The day temperature will be 27-28°C and night temperature will be 14°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-75% and 22-26% respectively. There will be mainly clear sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	27	28	28	28	28
T-Min (°C)	14	14	14	14	14
Cloud Cover (octa)	0	0	0	3	3
RH Max (%)	75	68	56	59	70
RH Min (%)	26	25	24	22	22
Wind Speed (Kmph)	7	8	10	9	8
Wind Direction (deg)	108	349	23	349	23

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:

Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

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** 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 after this rain. 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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.



Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427

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 (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.**

Forecasted period: Today (8.30 IST) to 30th December (8.30 IST) 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Tuesday (8.30 IST)) in the block. The day temperature will be 28°C and night temperature will be 14°C for upcoming 5 days. Maximum and minimum relative humidity will be 48-70% and 21-25% respectively. There will be mainly clear sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	28	28	28	28
T-Min (°C)	14	14	14	14	14
Cloud Cover (octa)	0	0	0	3	1
RH Max (%)	70	57	48	50	61
RH Min (%)	25	23	23	21	21
Wind Speed (Kmph)	6	8	9	8	7
Wind Direction (deg)	333	18	27	18	360

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:

Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8% SL or 50ml thiomethaxome 25% WG mixing with 200lit of water per acre crop area.

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** 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 after this rain. 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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.



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 (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.

Forecasted period: Today (8.30 IST) to 30th December (8.30 IST) 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Tuesday (8.30 IST)) in the block. The day temperature will be 28°C and night temperature will be 14°C for upcoming 5 days. Maximum and minimum relative humidity will be 47-70% and 21-25% respectively. There will be mainly clear sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	28	28	28	28
T-Min (°C)	14	14	14	14	14
Cloud Cover (octa)	0	0	0	3	1
RH Max (%)	70	59	47	50	62
RH Min (%)	25	23	23	22	21
Wind Speed (Kmph)	6	8	8	7	6
Wind Direction (deg)	333	18	27	18	360

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: Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. Aphids may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water. 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 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 after this rain. 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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.



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 (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.**

Forecasted period: Today (8.30 IST) to 30th December (8.30 IST) 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Tuesday (8.30 IST)) in the block. The day temperature will be 27-28°C and night temperature will be 17-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-68% and 29-32% 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	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	27	28	28	28	28
T-Min (°C)	17	18	18	17	18
Cloud Cover (octa)	0	0	0	3	4
RH Max (%)	68	56	51	53	61
RH Min (%)	32	31	30	29	31
Wind Speed (Kmph)	9	11	12	11	11
Wind Direction (deg)	101	60	60	64	60

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: Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water. 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** 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 after this rain. 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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.



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 (09.12.2020 to 15.12.2020) the agriculture vigor was very light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-19 November 2020 to 16 December 2020), Mildly wet condition was there.**

Forecasted period: Today (8.30 IST) to 30th December (8.30 IST) 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today (8.30 IST) to Tuesday (8.30 IST)) in the block. The day temperature will be 28-29°C and night temperature will be 12-13°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-75% and 23-25% respectively. There will be mainly clear sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/12/2020	27/12/2020	28/12/2020	29/12/2020	30/12/2020
Rainfall (mm)	0	0	0	0	0
00T-Max (°C)	28	28	29	29	29
T-Min (°C)	12	13	12	12	12
Cloud Cover (octa)	1	0	0	3	0
RH Max (%)	75	75	59	70	75
RH Min (%)	24	25	26	23	23
Wind Speed (Kmph)	5	6	6	5	4
Wind Direction (deg)	68	18	11	18	338

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: Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS. **Aphids** may infest the crop after this forecasted rain. Spray 60ml imidacloprid 17.8%SL or 50ml thiomethaxome 25%WG mixing with 200lit of water per acre crop area.

Rabi-Groundnut: The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water. 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** 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 after this rain. 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:

- In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to keep the cowshed warm.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

