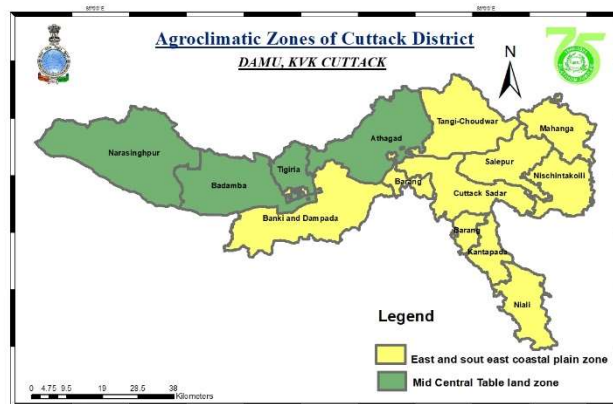
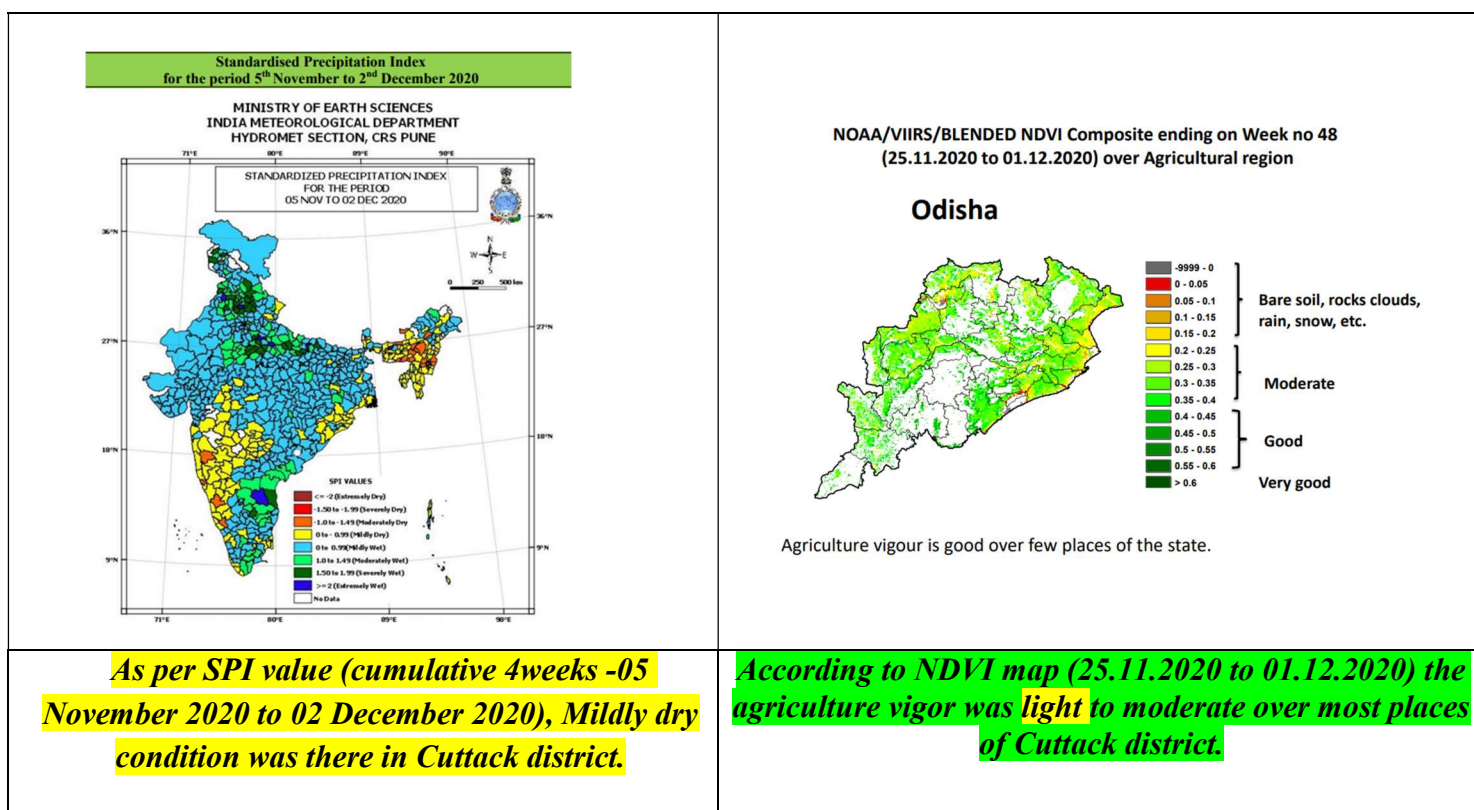


## AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



## STANDARD PRECIPITATION INDEX AND NDVI MAP



LEGEND(Medium range block level rainfall forecast)	
	Very light to light rainfall
	Light to moderate rainfall
	Moderate to heavy rainfall
	Heavy rainfall
	Very heavy rainfall
	Extremely heavy rainfall

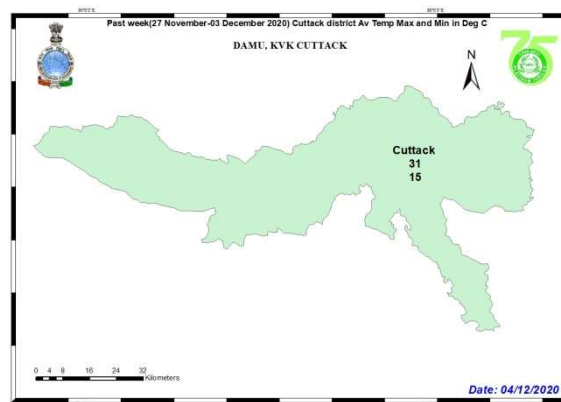
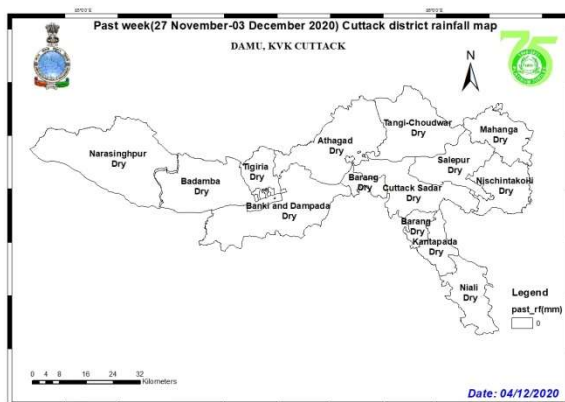


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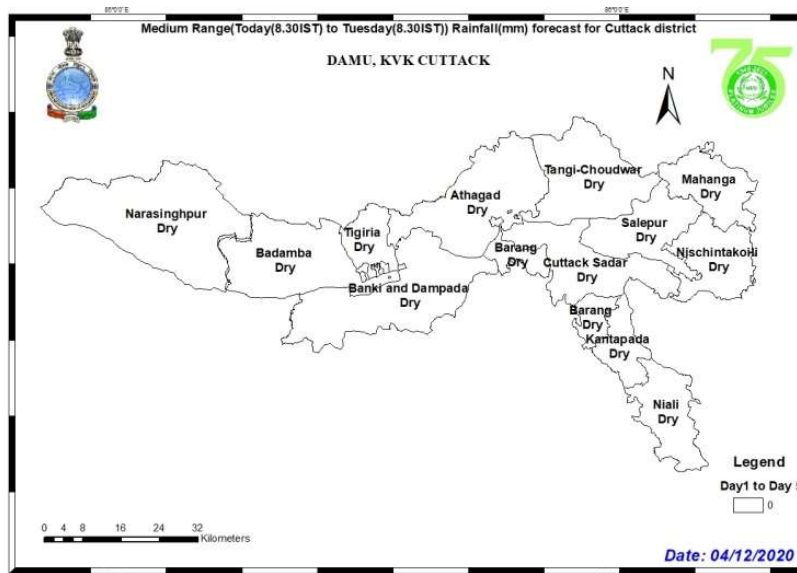


Bulletin No.-147  
Date- 04/12/2020

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



**Medium range (Today (8.30IST) to day 5(8.30IST)) Rainfall(mm) forecast for Cuttack district**



Dr Sujata Sethy  
(Nodal officer)




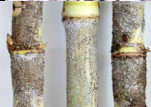












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**Weather( Past and Forecasted) based Disease and pest in Major Crops and vegetables**

Sl No	Crop	Stage and condition of the crop	Anticipated Disease and pest	
1	Sugarcane	Maturity Stage		Red rot disease
				Top borer
				Wooly Aphid
				Scale insect
				White fly
				Mealy bug
2	Mustard	Vegetative stage		Aphid
3	Vegetables (Tomato,Chilli, Brinjal)	Vegetative to fruiting		Thrips
				Mites
	Cole crops (Cauliflower and cabbage)	Vegetative to fruiting		Leaf eating caterpillar
				Aphid
				Fruit borer
				Diamond back moth
		Nursery Stage		Damping off

(a) Damping off



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**Bulletin No.-147**  
**Date- 04/12/2020**

**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 31°C and 15°C, respectively. **According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.**

**Forecasted period: Today(8.30IST) to 09<sup>th</sup>December (8.30IST)2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 31°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-82% and 28-33% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	31	31	31	31	31
T-Min (°C)	15	15	14	14	14
Cloud Cover (octa)	1	0	0	1	2
RH Max (%)	82	80	82	82	75
RH Min (%)	28	31	32	33	31
Wind Speed (kmph)	3	4	5	5	5
Wind Direction (deg)	338	68	75	341	338

**Agromet Advisory**

**General Advisory:** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**Kharif Rice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Rabi-Groundnut:**

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.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.



**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 prevent direct contact to cold air.

- 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.-147**  
**Date- 04/12/2020**

**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 31°C and 15°C, respectively. **According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.**

**Forecasted period: Today(8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-31°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-79% and 27-32% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	30	31	31
T-Min(°C)	15	15	14	14	14
Cloud Cover(octa)	1	0	0	1	2
RH Max (%)	68	78	79	79	68
RH Min (%)	27	30	32	31	31
Wind Speed (Kmph)	3	4	5	4	4
Wind Direction (deg)	333	135	75	349	338

**Agromet Advisory**

**General Advisory** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**Kharif Rice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Rabi-Groundnut:**

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.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.



**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 prevent direct contact to cold air.

- 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.-147**  
**Date- 04/12/2020**

**AGROMET ADVISORY BULLETIN FOR BANKI**

**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 31°C and 15°C, respectively. **According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.**

**Forecasted period: Today(8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 31°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-82% and 27-32% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	31	31	31
T-Min(°C)	15	15	14	14	14
Cloud Cover(octa)	1	0	0	1	2
RH Max (%)	76	79	81	82	74
RH Min (%)	27	30	32	32	31
Wind Speed (Kmph)	3	4	5	5	4
Wind Direction (deg)	158	75	75	349	195

**Agromet Advisory**

**General Advisory** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**Kharif Rice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Rabi-Groundnut:**

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.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptomycin 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.



**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 prevent direct contact to cold air.
- 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 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 31°C and 15°C, respectively. According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.

**Forecasted period: Today(8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weather Advisory:** No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 31°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-82% and 27-32% respectively. There will be mainly clear to partly cloudy sky for next 5 days

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	31	31	31
T-Min(°C)	15	15	14	14	14
Cloud Cover(octa)	1	0	0	1	2
RH Max (%)	77	79	81	82	75
RH Min (%)	27	30	32	32	31
Wind Speed (Kmph)	3	4	5	5	4
Wind Direction (deg)	158	75	75	349	195

**Agromet Advisory**

**General Advisory:** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

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**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.

**Rabi-Groundnut:**

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.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.



**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 prevent direct contact to cold air.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.





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**Bulletin No.-147**  
**Date- 04/12/2020**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31°C and 15°C, respectively. **According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.**

**Forecasted period: Today(8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 31°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-86% and 29-33% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	31	31	31
T-Min(°C)	15	15	14	14	14
Cloud Cover	1	0	0	1	2
RH Max (%)	86	77	80	77	80
RH Min (%)	29	31	32	33	29
Wind Speed (Kmph)	4	5	6	5	5
Wind Direction (deg)	342	338	75	360	315

**Agromet Advisory**

**General Advisory** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**Kharif Rice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Rabi-Groundnut:**

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.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.



**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 prevent direct contact to cold air.
- 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.-147**  
**Date- 04/12/2020**

**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 31°C and 15°C, respectively. **According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.**

**Forecasted period: Today(8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 31°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-85% and 28-33% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	31	31	31
T-Min(°C)	15	15	14	14	14
Cloud Cover(octa)	1	0	0	1	2
RH Max (%)	85	78	80	76	78
RH Min (%)	28	31	32	33	30
Wind Speed (Kmph)	3	4	5	5	5
Wind Direction (deg)	162	338	75	345	330

**Agromet Advisory**

**General Advisory:** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**Kharif Rice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Sugarcane:** The crop is at maturity (40 - 41 week) stage. Postpone irrigation to crops and spraying insecticides and pesticides. **Red rot disease** may occur at this stage of crop. Uproot and destroy the infested plant. Spray 400g carbendazim @2g/lit water per acre crop area. To control **top shoot borers** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, mealybug** in present weather conditions go for alternate spraying of thiomethoxam 25WG @ 0.25 gm/lit or imidacloprid 0.45 ml/lit of water or Dinotefuron 20% SG 3gm/lit of Water.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.



**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 prevent direct contact to cold air.
- 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.-147**  
**Date- 04/12/2020**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31°C and 15°C, respectively. **According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.**

**Forecasted period: Today(8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 31°C and night temperature will be 17-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-86% and 29-33% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	31	31	31
T-Min(°C)	17	18	18	17	18
Cloud Cover(octa)	1	0	0	1	2
RH Max (%)	86	79	81	75	82
RH Min (%)	30	32	33	33	29
Wind Speed (Kmph)	5	6	7	6	5
Wind Direction (deg)	158	108	75	19	165

**Agromet Advisory**

**General Advisory:** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**Kharif Rice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Sugarcane:** The crop is at maturity (40 - 41 week) stage. Postpone irrigation to crops and spraying insecticides and pesticides. **Red rot disease** may occur at this stage of crop. Uproot and destroy the infested plant. Spray 400g carbendazim @2g/lit water per acre crop area. To control **top shoot borers** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, mealybug** in present weather conditions go for alternate spraying of thiomethoxam 25WG @ 0.25 gm/lit or imidacloprid 0.45 ml/lit of water or Dinotefuron 20% SG 3gm/lit of Water.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.

**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 prevent direct contact to cold air.
- 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.-147**  
**Date- 04/12/2020**

**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 31°C and 15°C, respectively. **According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.**

**Forecasted period: Today(8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 31°C and night temperature will be 17°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-84% and 29-33% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	31	31	31
T-Min(°C)	17	17	17	17	17
Cloud Cover(octal)	1	0	0	1	2
RH Max (%)	84	77	78	65	78
RH Min (%)	29	32	32	33	29
Wind Speed (Kmph)	5	5	6	6	5
Wind Direction (deg)	165	333	338	360	293

**Agromet Advisory**

**General Advisory:** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**Kharif Rice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Sugarcane:** The crop is at maturity (40 - 41 week) stage. Postpone irrigation to crops and spraying insecticides and pesticides. **Red rot disease** may occur at this stage of crop. Uproot and destroy the infested plant. Spray 400g carbendazim @2g/lit water per acre crop area. To control **top shoot borers** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, mealybug** in present weather conditions go for alternate spraying of thiomethoxam 25WG @ 0.25 gm/lit or imidacloprid 0.45 ml/lit of water or Dinotefuron 20% SG 3gm/lit of Water.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.

**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 prevent direct contact to cold air.
- 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.-147**  
**Date- 04/12/2020**

**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 31°C and 15°C, respectively. **According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.**

**Forecasted period: Today(8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-31°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-76% and 25-32% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	30	30	31	31
T-Min(°C)	15	15	14	14	14
Cloud Cover(/octa)	1	0	0	1	2
RH Max (%)	58	75	76	74	58
RH Min (%)	25	28	32	30	30
Wind Speed (Kmph)	2	3	4	3	4
Wind Direction (deg)	63	113	117	18	330

**Agromet Advisory**

**General Advisory** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**Kharif Rice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Rabi-Groundnut:**

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.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.



**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 prevent direct contact to cold air.
- 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.-147**  
**Date- 04/12/2020**

**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 31°C and 15°C, respectively. According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.

**Forecasted period: Today(8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today to Tuesday) in the block. The day temperature will be 30-31°C and night temperature will be 17-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-86% and 30-34% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	30	31	31
T-Min(°C)	17	18	18	17	18
Cloud Cover(octa)	1	0	0	1	2
RH Max (%)	86	81	82	76	82
RH Min (%)	32	34	34	33	30
Wind Speed(Kmph)	6	7	7	6	5
Wind Direction(deg)	153	109	338	15	162

**Agromet Advisory**

**General Advisory:** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**KharifRice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Sugarcane:** The crop is at maturity (40 - 41 week) stage. Postpone irrigation to crops and spraying insecticides and pesticides. **Red rot disease** may occur at this stage of crop. Uproot and destroy the infested plant. Spray 400g carbendazim @2g/lit water per acre crop area. To control **top shoot borers** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, mealybug** in present weather conditions go for alternate spraying of thiomethoxam 25WG @ 0.25 gm/lit or imidacloprid 0.45 ml/lit of water or Dinotefuron 20% SG 3gm/lit of Water.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.



**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 prevent direct contact to cold air.
- 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.-147  
Date- 04/12/2020

**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31°C and 15°C, respectively. According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.

**Forecasted period: Today(8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-31°C and night temperature will be 17-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-84% and 28-33% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	30	31	31
T-Min(°C)	17	17	18	17	17
Cloud Cover(octa)	1	0	0	1	2
RH Max (%)	84	77	79	68	79
RH Min (%)	30	32	32	33	28
Wind Speed (Kmph)	5	6	6	6	5
Wind Direction (deg)	158	333	75	349	293

**Agromet Advisory**

**General Advisory:** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertilizer application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**Kharif Rice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Sugarcane:** The crop is at maturity (40 - 41 week) stage. Postpone irrigation to crops and spraying insecticides and pesticides. **Red rot disease** may occur at this stage of crop. Uproot and destroy the infested plant. Spray 400g carbendazim @2g/lit water per acre crop area. To control **top shoot borers** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, mealybug** in present weather conditions go for alternate spraying of thiomethoxam 25WG @ 0.25 gm/lit or imidacloprid 0.45 ml/lit of water or Dinotefuron 20% SG 3gm/lit of Water.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Emamectin benzoate or 0.4 ml Spinosad per liter of water.



**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 prevent direct contact to cold air.
- 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.-147  
Date- 04/12/2020

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31°C and 15°C, respectively. According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.

**Forecasted period: Today(8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 31°C and night temperature will be 17-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-84% and 29-33% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	31	31	31
T-Min(°C)	15	15	14	14	14
Cloud Cover(octa)	1	0	0	1	2
RH Max (%)	84	77	79	68	79
RH Min (%)	30	32	32	33	29
Wind Speed (Kmph)	5	5	6	6	5
Wind Direction (deg)	158	333	75	360	293

**Agromet Advisory**

**General Advisory:** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**Kharif Rice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Rabi-Groundnut:**

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.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Enamectin benzoate or 0.4 ml Spinosad per liter of water.



**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 prevent direct contact to cold air.
- 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.-147**  
**Date- 04/12/2020**

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**  
**District Past week weather condition and Block past Rainfall condition**

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31°C and 15°C, respectively. According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.

**Forecasted period: Today (8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 29-30°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-81% and 35-41% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	29	29	29	30	30
T-Min (°C)	15	15	14	14	14
Cloud Cover (octa)	1	0	0	1	2
RH Max (%)	78	80	81	69	77
RH Min (%)	41	40	40	39	35
Wind Speed (Kmph)	8	9	9	8	7
Wind Direction (deg)	109	109	113	108	135

**Agromet Advisory**

**General Advisory:** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**Kharif Rice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Rabi-Groundnut:**

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.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Enamectin benzoate or 0.4 ml Spinosad per liter of water.



**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 prevent direct contact to cold air.
- 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.-147  
Date- 04/12/2020

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 31°C and 15°C, respectively. According to NDVI map (25.11.2020 to 01.12.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-05 November 2020 to 02 December 2020), Mildly dry condition was there.

**Forecasted period: Today(8.30IST) to 09<sup>th</sup> December (8.30IST) 2020**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today to Tuesday) in the block. The day temperature will be 31°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 71-82% and 28-32% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Tigiria(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/12/2020	06/12/2020	07/12/2020	08/12/2020	09/12/2020
Rainfall(mm)	0	0	0	0	0
00T-Max(°C)	31	31	31	31	31
T-Min(°C)	15	15	14	14	14
Cloud Cover(octa)	1	0	0	1	2
RH Max (%)	76	80	82	82	71
RH Min (%)	28	30	32	32	31
Wind Speed (Kmph)	3	4	5	5	5
Wind Direction (deg)	345	68	75	341	338

**Agromet Advisory**

**General Advisory** Forecast of no rainfall during next five days and also there will be decrease in temperature condition so farmers should cover the vegetable seedlings with polythene in night. The cole crop seedlings and onion seedlings are 2-5 weeks stage at main field. Farmers should go for intercultural operation and fertiliser application. According to SPI map as dry condition is exist in the district so farmers should go for irrigation as per the soil moisture conditions.

**KharifRice:** If 85% of panicle is matured, then go for harvesting of the crop.

**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.

**Rabi-Groundnut:**

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.

**Mustard:**

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.

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

- This time is suitable for sowing of **Onion** in nursery bed with a seed rate of 4kg/acre. Before sowing treat the seeds with Captan @ 2g/kg seeds. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS.
- Irrigate the field regularly.
- Go for sowing of **tomato** using resistant varieties like BT-2, BT-10, BT-12, etc.
- 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.
- Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. 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.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.
- To control **leaf eating caterpillar and fruit borer** in winter vegetables like Brinjal, Cauliflower, Cabbage, Chilly & tomato apply 0.5 g Enamectin benzoate or 0.4 ml Spinosad per liter of water.



**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 prevent direct contact to cold air.
- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

**Dr Sujata Sethy**  
(Nodal officer)



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