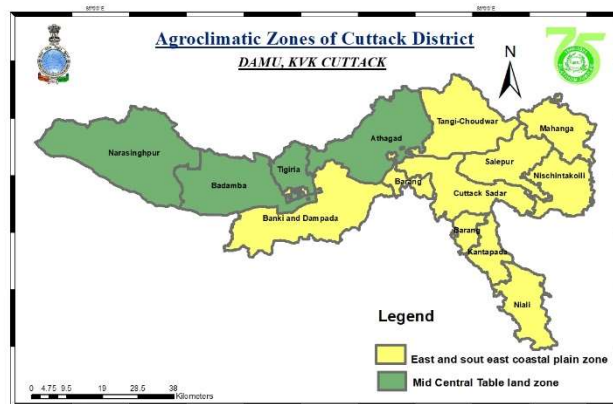
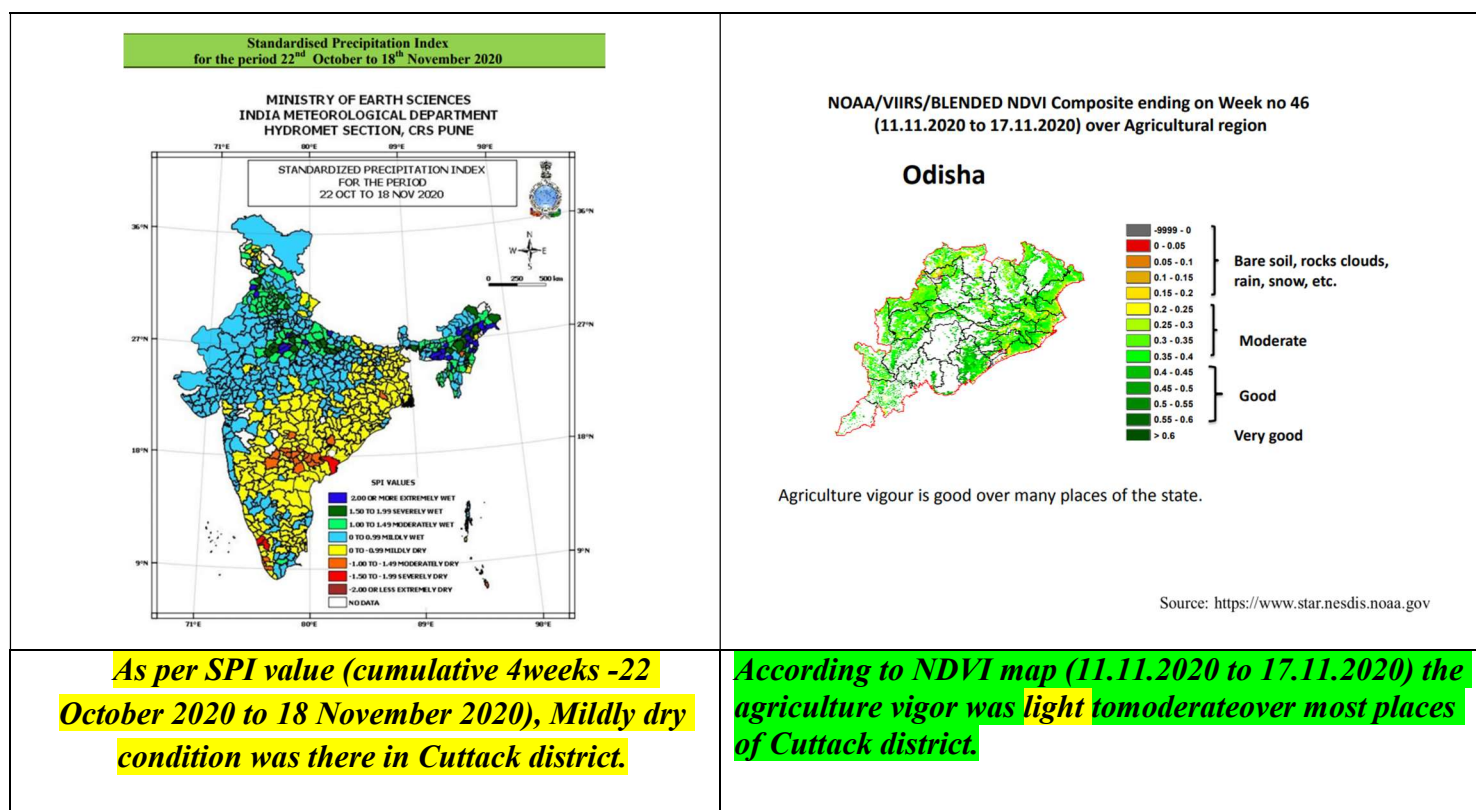


## AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



## STANDARD PRECIPITATION INDEX AND NDVI MAP



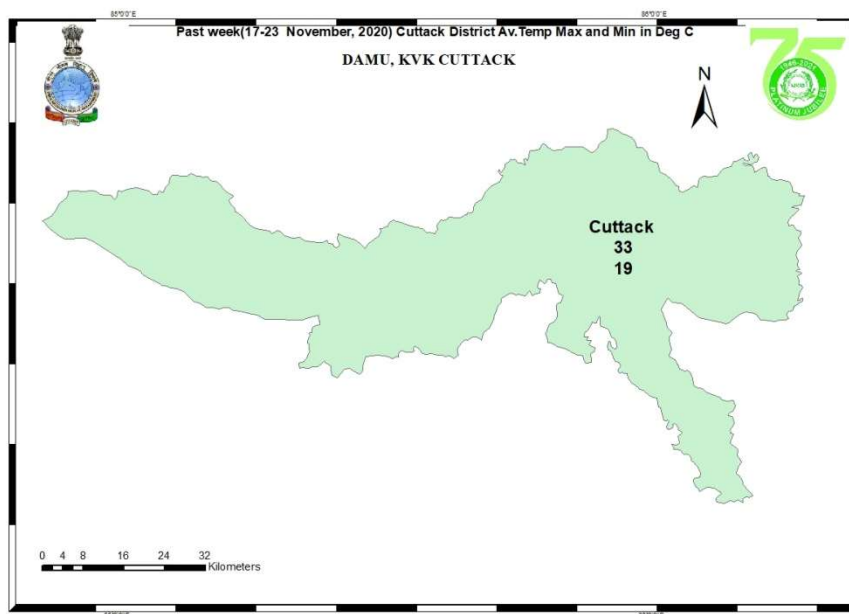
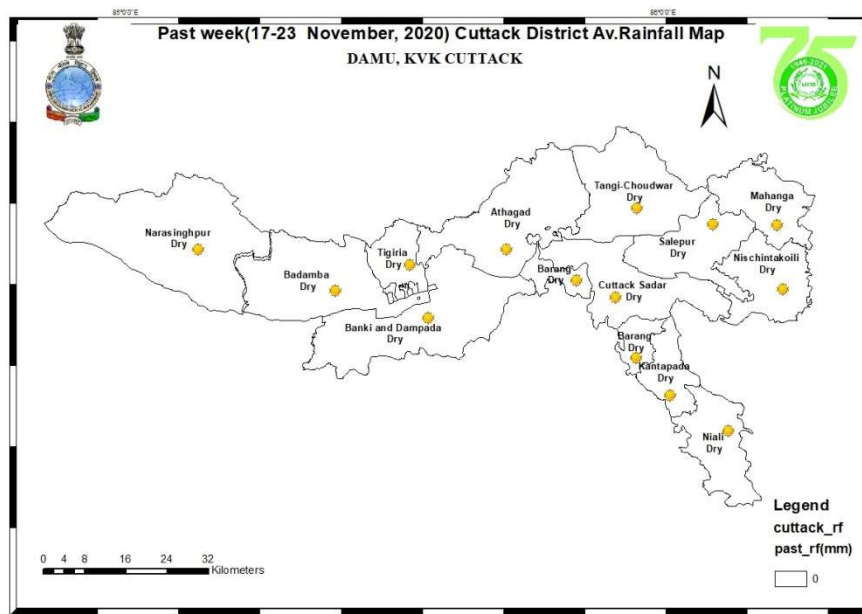
LEGEND (Medium range block level rainfall forecast)	
	Very light to light rainfall
	Light to moderate rainfall
	Moderate to heavy rainfall
	Heavy rainfall
	Very heavy rainfall
	Extremely heavy rainfall



**GRAMIN KRISHI MAUSAM SEWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
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**KRISHI VIGYAN KENDRA CUTTACK**  
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**Bulletin No.-144**  
**Date- 24/11/2020**



**Dr Sujata Sethy**  
(Nodal officer)















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APP for Lightening alert in your area**



**Debasish Jena**  
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**Contact No-9861445080/7008453427**

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

SI No	Crop	Stage and condition of the crop	Anticipated Disease and pest	
1	Sugarcane	Grand growth stage to ripening		Ring spot
				Top borer
				Wooly Aphid
				Scale insect
				White fly
				Mealy bug
2	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

**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 33°C and 19°C, respectively. **According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks--22 October 2020 to 18 November 2020), mildly dry condition was there.**

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** **Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block.** The day temperature will be 25-30°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-81% and 30-44% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall (mm)	0	0	2	0	0
T-Max (°C)	28	28	25	29	30
T-Min (°C)	17	19	18	18	17
Cloud Cover (octa)	8	8	8	4	0
RH Max (%)	54	61	81	59	57
RH Min (%)	30	39	44	36	33
Wind Speed (kmph)	7	7	5	6	8
Wind Direction (deg)	23	62	342	349	349

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds. Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.



**Rabi-Groundnut:**

- Rabi groundnut** may be taken at 60kg/ acre. Treat the seeds with Thiram @ 3g/kg seeds seven days before sowing seeds.
- Before sowing treat the seeds with rhizobium culture and dry under shade for few hours and then sow the seeds at row-row spacing of 25cm and plant-plant spacing of 10cm at a depth of 3cm.
- Prepare the main field by through ploughing and apply 2ton of FYM.

**Vegetables:**

- 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.
- This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed.
- 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.



**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 33°C and 19°C, respectively. **According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks--22October 2020 to 18 November 2020), mildly dry condition was there.**

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** **Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block.** The day temperature will be 25-30°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 52-83% and 32-44% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	28	28	25	29	30
T-Min(°C)	16	18	17	17	17
Cloud Cover(octa)	8	8	8	3	0
RH Max (%)	52	59	83	63	56
RH Min (%)	32	37	44	37	33
Wind Speed (Kmph)	6	6	5	6	7
Wind Direction (deg)	349	65	113	341	341

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds.
- Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.



**Rabi-Groundnut:**

- Rabi groundnut** may be taken at 60kg/ acre. Treat the seeds with Thiram @ 3g/kg seeds seven days before sowing seeds.
- Before sowing treat the seeds with rhizobium culture and dry under shade for few hours and then sow the seeds at row-row spacing of 25cm and plant-plant spacing of 10cm at a depth of 3cm.
- Prepare the main field by through ploughing and apply 2ton of FYM.

**Vegetables:**

- 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.
- This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed.
- 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.



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**Bulletin No.-144**  
**Date- 24/11/2020**

**AGROMET ADVISORY BULLETIN FORBANKI**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 19°C, respectively. **According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks--22October 2020 to 18 November 2020), mildly dry condition was there.**

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** **Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block.** The day temperature will be 25-30°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 52-84% and 31-45% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	28	28	25	29	30
T-Min(°C)	16	18	17	18	17
Cloud Cover(octa)	8	8	8	4	0
RH Max (%)	52	60	84	61	56
RH Min (%)	31	38	45	37	33
Wind Speed (Kmph)	7	7	5	7	8
Wind Direction (deg)	45	62	108	349	349

**Agromet Advisory**

**General Advisory:** **As dry weather expected mainly during next five days(except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.**

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

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds.
- Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.

**Mustard:**

Taking the advantage of available soil moisture due to recent rain, land preparation and sowing of the crop should be started to get optimum yield. Suitable varieties: Toria- Anuradha, Parbati, Sushree, Indian mustard- Mahyco bold, JD 6. Seed rate- 8-10 Kg/ha Spacing- 30 cm X 10 cm, Fertilizer dose: Toria @60:30:30 N-P2O5-K2O Kg/ha Mustard @ 80:40:40 N-P2O5-K2O Kg/ha. Apply 50%N and all P2O5 and K2O fertilizers should be applied as basal.

**Vegetables:**

- 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.
- This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed.
- 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.



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



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**Bulletin No.-144**  
**Date- 24/11/2020**

**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 33°C and 19°C, respectively. According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks--22 October 2020 to 18 November 2020), mildly dry condition was there.

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather Advisory:** Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block. The day temperature will be 24-30°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 52-84% and 31-45% respectively. There will be partly cloudy to overcast sky for next 5 days

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	4	0	0
T-Max(°C)	28	28	24	29	30
T-Min(°C)	16	18	17	18	17
Cloud Cover(octa)	8	8	8	4	0
RH Max (%)	52	60	84	60	56
RH Min (%)	31	38	45	37	33
Wind Speed (Kmph)	8	7	5	7	8
Wind Direction (deg)	45	62	108	349	349

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds. Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.



**Mustard:**

Taking the advantage of available soil moisture due to recent rain, land preparation and sowing of the crop should be started to get optimum yield. Suitable varieties: Toria- Anuradha, Parbati, Sushree, Indian mustard- Mahyco bold, JD 6. Seed rate- 8-10 Kg/ha Spacing- 30 cm X 10 cm, Fertilizer dose: Toria @60:30:30 N-P2O5-K2O Kg/ha Mustard @ 80:40:40 N-P2O5-K2O Kg/ha. Apply 50%N and all P2O5 and K2O fertilizers should be applied as basal.

**Vegetables:**

- 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.
- This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed.
- 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.

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



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**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 33°C and 19°C, respectively. **According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks--22October 2020 to 18 November 2020), mildly dry condition was there.**

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** **Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block.** The day temperature will be 24-30°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 52-82% and 30-49% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	4	0	0
T-Max(°C)	28	27	24	28	30
T-Min(°C)	17	19	18	19	18
Cloud Cover	8	8	8	5	0
RH Max (%)	52	60	82	55	54
RH Min (%)	30	41	49	38	33
Wind Speed (Kmph)	11	9	6	9	10
Wind Direction (deg)	32	58	19	28	27

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds.
- Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.

**Mustard:**

Taking the advantage of available soil moisture due to recent rain, land preparation and sowing of the crop should be started to get optimum yield. Suitable varieties: Toria- Anuradha, Parbati, Sushree, Indian mustard- Mahyco bold, JD 6. Seed rate- 8-10 Kg/ha Spacing- 30 cm X 10 cm, Fertilizer dose: Toria @60:30:30 N-P2O5-K2O Kg/ha Mustard @ 80:40:40 N-P2O5-K2O Kg/ha. Apply 50%N and all P2O5 and K2O fertilizers should be applied as basal.

**Vegetables:**

- 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.
- This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed.
- 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.







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**Bulletin No.-144**  
**Date- 24/11/2020**

**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 33°C and 19°C, respectively. **According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks--22 October 2020 to 18 November 2020), mildly dry condition was there.**

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** **Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block.** The day temperature will be 24-30°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-80% and 29-47% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	4	0	0
T-Max(°C)	28	27	24	28	30
T-Min(°C)	17	19	19	19	18
Cloud Cover(octa)	8	8	8	4	0
RH Max (%)	51	60	80	54	54
RH Min (%)	29	40	47	37	33
Wind Speed (Kmph)	10	9	6	8	9
Wind Direction (deg)	32	58	27	28	27

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Sugarcane:** Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. Present weather conditions are favourable for the incidence of **ring spot disease** in Sugarcane. To control go for spraying of copperoxychloride @ 3g/l (or) Carbendazim @ 1g/l (or) Mancozeb @ 3g/l for three times once in three weeks. 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.

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds. Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.

**Mustard:**

Taking the advantage of available soil moisture due to recent rain, land preparation and sowing of the crop should be started to get optimum yield. Suitable varieties: Toria- Anuradha, Parbati, Sushree, Indian mustard- Mahyco bold, JD 6. Seed rate- 8-10 Kg/ha Spacing- 30 cm X 10 cm, Fertilizer dose: Toria @ 60:30:30 N-P2O5-K2O Kg/ha Mustard @ 80:40:40 N-P2O5-K2O Kg/ha. Apply 50%N and all P2O5 and K2O fertilizers should be applied as basal.

**Vegetables:**

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. This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed. 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.

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



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**GRAMIN KRISHI MAUSAM SEWA**  
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**Bulletin No.-144**  
**Date- 24/11/2020**

**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 33°C and 19°C, respectively. **According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-22 October 2020 to 18 November 2020), mildly dry condition was there.**

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** **Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block.** The day temperature will be 23-30°C and night temperature will be 17-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 52-83% and 33-54% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	5	0	0
T-Max(°C)	27	27	23	27	30
T-Min(°C)	17	20	18	18	18
Cloud Cover(octa)	8	8	8	5	0
RH Max (%)	53	61	83	54	52
RH Min (%)	33	43	54	41	34
Wind Speed (Kmph)	12	10	8	10	11
Wind Direction (deg)	32	27	360	32	32

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Sugarcane:** Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. Present weather conditions are favourable for the incidence of **ring spot disease** in Sugarcane. To control go for spraying of copperoxychloride @ 3g/l (or) Carbendazim @ 1g/l (or) Mancozeb @ 3g/l for three times once in three weeks. 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.

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds. Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.

**Mustard:**

Taking the advantage of available soil moisture due to recent rain, land preparation and sowing of the crop should be started to get optimum yield. Suitable varieties: Toria- Anuradha, Parbati, Sushree, Indian mustard- Mahyco bold, JD 6. Seed rate- 8-10 Kg/ha Spacing- 30 cm X 10 cm, Fertilizer dose: Toria @ 60:30:30 N-P2O5-K2O Kg/ha Mustard @ 80:40:40 N-P2O5-K2O Kg/ha. Apply 50%N and all P2O5 and K2O fertilizers should be applied as basal.

**Vegetables:**

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. This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed. 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 imidacloprid 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.

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



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**Bulletin No.-144**  
**Date- 24/11/2020**

**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 33°C and 19°C, respectively. **According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-22 October 2020 to 18 November 2020), mildly dry condition was there.**

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** **Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block.** The day temperature will be 24-30°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 50-78% and 31-49% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	28	27	24	28	30
T-Min(°C)	17	19	19	18	18
Cloud Cover(octal)	8	8	8	4	0
RH Max (%)	51	60	78	53	50
RH Min (%)	31	42	49	38	33
Wind Speed (Kmph)	12	10	7	10	11
Wind Direction (deg)	32	32	17	32	45

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Sugarcane:** Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. Present weather conditions are favourable for the incidence of **ring spot disease** in Sugarcane. To control go for spraying of copperoxychloride @ 3g/l (or) Carbendazim @ 1g/l (or) Mancozeb @ 3g/l for three times once in three weeks. 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.

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds. Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.

**Mustard:**

Taking the advantage of available soil moisture due to recent rain, land preparation and sowing of the crop should be started to get optimum yield. Suitable varieties: Toria- Anuradha, Parbati, Sushree, Indian mustard- Mahyco bold, JD 6. Seed rate- 8-10 Kg/ha Spacing- 30 cm X 10 cm, Fertilizer dose: Toria @ 60:30:30 N-P2O5-K2O Kg/ha Mustard @ 80:40:40 N-P2O5-K2O Kg/ha. Apply 50%N and all P2O5 and K2O fertilizers should be applied as basal.

**Vegetables:**

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. This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed. 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 imidacloprid 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.

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



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**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 19°C, respectively. **According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks--22October 2020 to 18 November 2020), mildly dry condition was there.**

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** **Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block.** The day temperature will be 25-30°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-82% and 33-45% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	28	27	25	29	30
T-Min(°C)	15	18	17	17	16
Cloud Cover(/octa)	8	8	8	2	0
RH Max (%)	51	58	82	65	58
RH Min (%)	34	34	45	36	33
Wind Speed (Kmph)	5	4	4	4	5
Wind Direction (deg)	342	64	113	338	342

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds.
- Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.



**Rabi-Groundnut:**

- Rabi groundnut** may be taken at 60kg/ acre. Treat the seeds with Thiram @ 3g/kg seeds seven days before sowing seeds.
- Before sowing treat the seeds with rhizobium culture and dry under shade for few hours and then sow the seeds at row-row spacing of 25cm and plant-plant spacing of 10cm at a depth of 3cm.
- Prepare the main field by through ploughing and apply 2ton of FYM.

**Vegetables:**

- 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.
- This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed.
- 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.



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Bulletin No.-144  
Date- 24/11/2020

**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 33°C and 19°C, respectively. According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks--22 October 2020 to 18 November 2020), mildly dry condition was there.

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block. The day temperature will be 23-30°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 50-83% and 34-56% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	5	0	0
T-Max(°C)	27	28	23	27	30
T-Min(°C)	17	19	18	18	18
Cloud Cover(octa)	8	8	8	5	0
RH Max (%)	54	61	83	54	50
RH Min (%)	34	45	56	43	36
Wind Speed(Kmph)	13	11	9	11	12
Wind Direction(deg)	32	26	360	24	32

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Sugarcane:** Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. Present weather conditions are favourable for the incidence of **ring spot disease** in Sugarcane. To control go for spraying of copperoxychloride @ 3g/l (or) Carbendazim @ 1g/l (or) Mancozeb @ 3g/l for three times once in three weeks. 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.

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds. Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.

**Mustard:**

Taking the advantage of available soil moisture due to recent rain, land preparation and sowing of the crop should be started to get optimum yield. Suitable varieties: Toria- Anuradha, Parbati, Sushree, Indian mustard- Mahyco bold, JD 6. Seed rate- 8-10 Kg/ha Spacing- 30 cm X 10 cm, Fertilizer dose: Toria @ 60:30:30 N-P2O5-K2O Kg/ha Mustard @ 80:40:40 N-P2O5-K2O Kg/ha. Apply 50%N and all P2O5 and K2O fertilizers should be applied as basal.

**Vegetables:**

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 Quisqualop 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. This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed. 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.

**Dr Sujata Sethy**  
(Nodal officer)



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Bulletin No.-144  
Date- 24/11/2020

**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 33°C and 19°C, respectively. According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-22 October 2020 to 18 November 2020), mildly dry condition was there.

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block. The day temperature will be 24-30°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 50-79% and 32-51% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	4	0	0
T-Max(°C)	27	27	24	28	30
T-Min(°C)	17	19	19	19	18
Cloud Cover(octa)	8	8	8	5	0
RH Max (%)	52	60	79	53	50
RH Min (%)	32	43	51	39	33
Wind Speed (Kmph)	12	11	8	10	11
Wind Direction (deg)	32	32	17	32	32

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Sugarcane:** Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. Present weather conditions are favourable for the incidence of **ring spot disease** in Sugarcane. To control go for spraying of copperoxychloride @ 3g/l (or) Carbendazim @ 1g/l (or) Mancozeb @ 3g/l for three times once in three weeks. 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.

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds. Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.

**Mustard:**

Taking the advantage of available soil moisture due to recent rain, land preparation and sowing of the crop should be started to get optimum yield. Suitable varieties: Toria- Anuradha, Parbati, Sushree, Indian mustard- Mahyco bold, JD 6. Seed rate- 8-10 Kg/ha Spacing- 30 cm X 10 cm, Fertilizer dose: Toria @ 60:30:30 N-P2O5-K2O Kg/ha Mustard @ 80:40:40 N-P2O5-K2O Kg/ha. Apply 50%N and all P2O5 and K2O fertilizers should be applied as basal.

**Vegetables:**

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. This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed. 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.

**Dr Sujata Sethy**  
(Nodal officer)



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



**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 33°C and 19°C, respectively. According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-22 October 2020 to 18 November 2020), mildly dry condition was there.

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block. The day temperature will be 24-30°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-79% and 32-50% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	3	0	0
T-Max(°C)	28	27	24	28	30
T-Min(°C)	17	19	19	19	18
Cloud Cover(octa)	8	8	8	5	0
RH Max (%)	52	60	79	53	51
RH Min (%)	32	42	50	38	33
Wind Speed (Kmph)	12	10	8	10	11
Wind Direction (deg)	32	32	17	32	32

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds. Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.

**Mustard:**

Taking the advantage of available soil moisture due to recent rain, land preparation and sowing of the crop should be started to get optimum yield. Suitable varieties: Toria- Anuradha, Parbati, Sushree, Indian mustard- Mahyco bold, JD 6. Seed rate- 8-10 Kg/ha Spacing- 30 cm X 10 cm, Fertilizer dose: Toria @60:30:30 N-P2O5-K2O Kg/ha Mustard @ 80:40:40 N-P2O5-K2O Kg/ha. Apply 50%N and all P2O5 and K2O fertilizers should be applied as basal.

**Vegetables:**

- 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.
- This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed.
- 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.



**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 33°C and 19°C, respectively. According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-22 October 2020 to 18 November 2020), mildly dry condition was there.

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block. The day temperature will be 25-29°C and night temperature will be 20-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 52-74% and 40-55% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	2	0	0
T-Max(°C)	27	28	25	27	29
T-Min(°C)	21	22	20	21	21
Cloud Cover(octa)	8	8	8	5	0
RH Max (%)	60	62	74	57	52
RH Min (%)	41	51	55	46	40
Wind Speed (Kmph)	16	14	14	16	16
Wind Direction (deg)	24	24	360	23	27

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Pulses:**

- The weather is optimum for sowing of pre-rabi **greengram** in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds. Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.

**Mustard:**

Taking the advantage of available soil moisture due to recent rain, land preparation and sowing of the crop should be started to get optimum yield. Suitable varieties: Toria- Anuradha, Parbati, Sushree, Indian mustard- Mahyco bold, JD 6. Seed rate- 8-10 Kg/ha Spacing- 30 cm X 10 cm, Fertilizer dose: Toria @60:30:30 N-P2O5-K2O Kg/ha Mustard @ 80:40:40 N-P2O5-K2O Kg/ha. Apply 50%N and all P2O5 and K2O fertilizers should be applied as basal.

**Vegetables:**

- 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.
- This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed.
- 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.



**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 33°C and 19°C, respectively. According to NDVI map (11.11.2020 to 17.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-22 October 2020 to 18 November 2020), mildly dry condition was there.

**Forecasted period: 25<sup>th</sup> November 2020 to 29<sup>th</sup> November 2020**

**Weather advisory:** Very light rainfall is forecasted for Thursday and no rainfall is forecasted for other 4 days in the block. The day temperature will be 25-30°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-82% and 31-44% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	25/11/2020	26/11/2020	27/11/2020	28/11/2020	29/11/2020
Rainfall(mm)	0	0	2	0	0
00T-Max(°C)	28	27	25	29	30
T-Min(°C)	16	18	18	18	17
Cloud Cover(octa)	8	8	8	3	0
RH Max (%)	54	61	82	61	57
RH Min (%)	31	38	44	36	34
Wind Speed (Kmph)	7	6	5	6	7
Wind Direction (deg)	15	65	113	349	349

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days (except Thursday) and also mildly dry condition was there in the district in last 4 weeks (As per SPI) So, Farmers should go for irrigation in crop fields as per requirement. Complete nursery sowing or transplanting of winter vegetable crops. Irrigate the nursery during morning and evening time. Use low cost polythene cover above the vegetables nursery to avoid poor germination due to low temperature. Go for sowing of pea, gram and green gram as paira crop fifteen days prior to harvest of paddy in low land by utilizing residual soil moisture.

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

**Pulses:**

- The weather is optimum for sowing of pre-rabi greengram in the fallow uplands. Grow High Yielding varieties suitable for Cuttack such as Samrat, PDM-54, TARM-1, HUM-2 and OUM-11-5.
- Use 8 kg seeds/acre. Before sowing seeds are to be treated with 2 g Carbendazim/kg seeds. Apply 8:16 kg NP/acre during final land preparation. Sow the seeds in line 25 cm apart with 8-10 cm plant to plant distance.



**Rabi-Groundnut:**

- Rabi groundnut** may be taken at 60kg/ acre. Treat the seeds with Thiram @ 3g/kg seeds seven days before sowing seeds.
- Before sowing treat the seeds with rhizobium culture and dry under shade for few hours and then sow the seeds at row-row spacing of 25cm and plant-plant spacing of 10cm at a depth of 3cm.
- Prepare the main field by through ploughing and apply 2ton of FYM.

**Vegetables:**

- 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.
- This is the best time to raise nursery for **cole crops** like cabbage and cauliflower on raised bed.
- 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.
- Trim the trees near shed and cattle keeping places to allow sunlight to fall on them.

