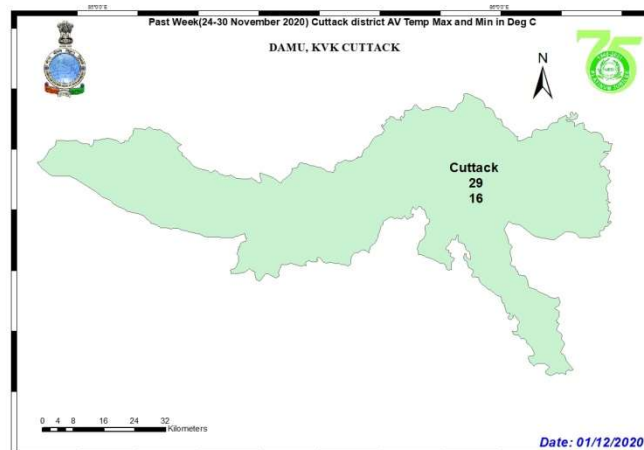
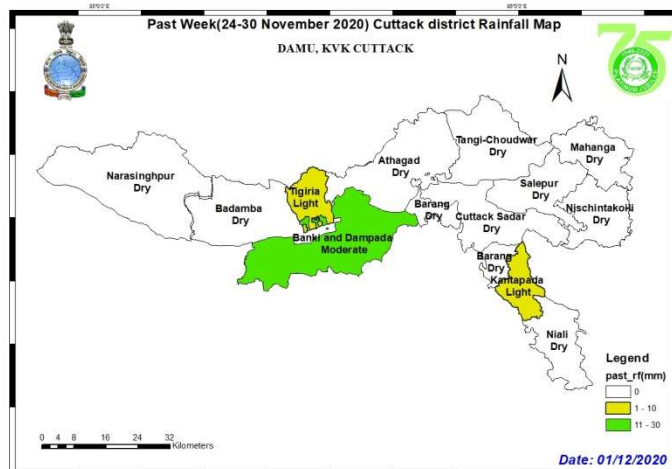
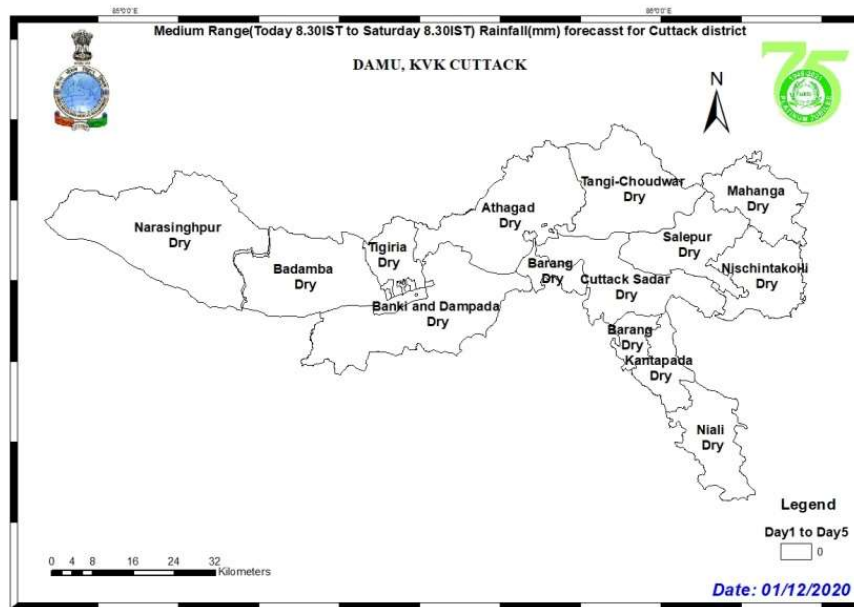


















**Past week Cuttack district Rainfall and Temperature map**



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



**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
4	Cucurbits (Cucumber, Pumpkin, Bitter gourd, Ridge gourd, Pointed gourd)	Fruiting		Fruit fly



**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

The block received 0 mm and district received 1mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-29 October 2020 to 25 November 2020), Moderately dry condition was there.

**Forecasted period: Today (8.30IST) to 06<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Saturday) in the block. The day temperature will be 30-31°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-86% and 28-34% 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	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	30	31	31	31	31
T-Min (°C)	15	16	16	16	17
Cloud Cover (octa)	4	2	0	0	1
RH Max (%)	55	72	82	86	86
RH Min (%)	29	28	28	30	34
Wind Speed (kmph)	6	4	3	4	5
Wind Direction (deg)	72	338	158	135	158

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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.

**Khari 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:**

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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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.



**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

The block received 0 mm and district received 1 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-29October 2020 to 25 November 2020), Moderately dry condition was there.

**Forecasted period: Today (8.30IST) to 06<sup>th</sup>December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5days (Today to Saturday) in the block. The day temperature will be 30-32°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-88% and 28-35% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	32	31	31
T-Min(°C)	15	15	15	16	17
Cloud Cover(octa)	4	2	0	0	1
RH Max (%)	58	65	78	88	88
RH Min (%)	30	28	28	30	35
Wind Speed (Kmph)	5	4	3	4	5
Wind Direction (deg)	72	338	117	160	165

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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:**

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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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.





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



**Bulletin No.-146**  
**Date- 01/12/2020**

**AGROMET ADVISORY BULLETIN FORBANKI**

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

The block received 11 mm and district received 1 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-29 October 2020 to 25 November 2020), Moderately dry condition was there.

**Forecasted period: Today (8.30IST) to 06<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Saturday) in the block. The day temperature will be 30-32°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-87% and 27-34% 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	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	30	31	32	31	31
T-Min (°C)	15	15	16	16	17
Cloud Cover (octa)	3	2	0	0	1
RH Max (%)	56	69	80	87	87
RH Min (%)	29	28	27	30	34
Wind Speed (Kmph)	6	5	4	4	5
Wind Direction (deg)	72	338	158	158	165

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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.

**Khari 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:**

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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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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 APP for Lightening alert in your area



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



**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA**

**District Past week weather condition**

**The district received 1 mm rainfall during the last week.** The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. **According to NDMI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-29October 2020 to 25 November 2020), Moderately dry condition was there.**

**Forecasted period: Today (8.30IST) to 06<sup>th</sup>December (8.30IST) 2020**

**Weather Advisory:** No rainfall is forecasted for upcoming 5days (Today to Saturday) in the block. The day temperature will be 30-32°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-87% and 27-34% respectively. There will be mainly clear to partly cloudy sky for next 5days

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	32	32	31
T-Min(°C)	15	15	16	16	17
Cloud Cover(octa)	3	2	0	0	1
RH Max (%)	55	69	80	87	86
RH Min (%)	29	28	27	30	34
Wind Speed (Kmph)	6	5	4	4	5
Wind Direction (deg)	72	165	158	158	165

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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.

**Kharrif 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:**

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 then 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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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.



**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

The block received 0 mm and district received 1 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-29October 2020 to 25 November 2020), Moderately dry condition was there.

**Forecasted period: Today (8.30IST) to 06<sup>th</sup>December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5days (Today to Saturday) in the block. The day temperature will be 30-32°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-82% and 27-33% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Baranga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	32	31	31
T-Min(°C)	16	17	17	17	18
Cloud Cover	2	2	0	0	0
RH Max (%)	55	75	80	82	82
RH Min (%)	28	27	28	30	33
Wind Speed (Kmph)	7	5	5	5	6
Wind Direction (deg)	68	342	158	15	15

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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.

**Kharrif 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:**

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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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.







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



**Bulletin No.-146**  
**Date- 01/12/2020**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

The block received 0 mm and district received 1 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-29October 2020 to 25 November 2020), Moderately dry condition was there.

**Forecasted period: Today (8.30IST) to 06<sup>th</sup>December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Saturday) in the block. The day temperature will be 30-31°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-82% and 27-33% 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	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	31	31	31
T-Min(°C)	16	17	17	17	18
Cloud Cover(octa)	3	2	0	0	1
RH Max (%)	53	74	79	82	82
RH Min (%)	27	28	29	31	33
Wind Speed (Kmph)	6	5	4	4	5
Wind Direction (deg)	71	338	158	158	15

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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.

**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, mealy bug** 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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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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**Debasish Jena**

**SMS (Agrometeorology)**

**Contact No-9861445080/7008453427**



**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

The block received 02 mm and district received 1 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. **According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-29October 2020 to 25 November 2020), Moderately dry condition was there.**

**Forecasted period: Today (8.30IST) to 06<sup>th</sup>December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5days (Today to Saturday) in the block. The day temperature will be 30-31°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 57-81% and 26-35% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	31	31	31
T-Min(°C)	16	17	18	18	19
Cloud Cover(octa)	3	2	0	0	0
RH Max (%)	57	76	80	81	81
RH Min (%)	28	26	28	31	35
Wind Speed (Kmph)	8	6	6	6	6
Wind Direction (deg)	68	342	338	146	146

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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.

**Khari 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.

**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, mealy bug** 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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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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**Debasish Jena**

**SMS (Agrometeorology)**

**Contact No-9861445080/7008453427**





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



**Bulletin No.-146**  
**Date- 01/12/2020**

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

The block received 0 mm and district received 1 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-29October 2020 to 25 November 2020), Moderately dry condition was there.

**Forecasted period: Today (8.30IST) to 06<sup>th</sup>December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5days (Today to Saturday) in the block. The day temperature will be 30-31°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 52-79% and 27-34% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Mahanga(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	31	31	31
T-Min(°C)	16	17	18	18	19
Cloud Cover(octal)	3	2	0	0	0
RH Max (%)	52	73	75	79	78
RH Min (%)	27	27	29	32	34
Wind Speed (Kmph)	7	6	5	5	6
Wind Direction (deg)	349	338	150	135	158

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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/kgseeds. 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.

**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, mealy bug** 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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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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**Debasish Jena**

**SMS (Agrometeorology)**

**Contact No-9861445080/7008453427**





**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

The block received 0 mm and district received 1 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-29October 2020 to 25 November 2020), Moderately dry condition was there.

**Forecasted period: Today (8.30IST) to 06<sup>th</sup>December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Saturday) in the block. The day temperature will be 30-32°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-91% and 28-36% 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	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	32	31	31
T-Min(°C)	14	14	14	15	16
Cloud Cover(/octa)	4	2	0	0	1
RH Max (%)	61	60	75	89	91
RH Min (%)	31	28	28	30	36
Wind Speed (Kmph)	3	3	3	3	4
Wind Direction (deg)	90	120	117	158	162

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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:**

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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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.



**AGROMET ADVISORY BULLETIN FOR NIALI**

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

The block received 0 mm and district received 1 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value(cumulative 4 weeks-29October 2020 to 25 November 2020), Moderately dry condition was there.

**Forecasted period: Today (8.30IST) to 06<sup>th</sup>December (8.30IST) 2020**

**Weatheradvisory:** No rainfall is forecasted for upcoming 5days (Today to Saturday) in the block. The day temperature will be 30-31°C and night temperature will be 16-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 57-80% and 27-37% 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	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	31	31	31
T-Min(°C)	16	17	18	19	20
Cloud Cover(octa)	4	2	0	0	1
RH Max (%)	57	78	80	80	80
RH Min (%)	29	27	30	33	37
Wind Speed(Kmph)	9	7	6	7	7
Wind Direction(deg)	68	342	153	124	124

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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.

**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, mealy bug** 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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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 NISCHINTAKOILI**

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

The block received 0 mm and district received 1 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-29 October 2020 to 25 November 2020), Moderately dry condition was there.

**Forecasted period: Today (8.30IST) to 06<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Saturday) in the block. The day temperature will be 30-31°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 52-80% and 27-34% 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	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	30	31	31	31	31
T-Min (°C)	17	17	18	18	19
Cloud Cover (octa)	3	2	0	0	0
RH Max (%)	52	75	76	80	79
RH Min (%)	28	27	29	32	34
Wind Speed (Kmph)	7	6	5	5	6
Wind Direction (deg)	349	338	150	158	135

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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.

**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, mealy bug** 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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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.







**GRAMIN KRISHI MAUSAM SEWA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
**(A Unit of ICAR-National Rice Research Institute)**

Email: kvkcuttack@gmail.com



Bulletin No.-146  
Date- 01/12/2020

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

The block received 0 mm and district received 1 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-29 October 2020 to 25 November 2020), Moderately dry condition was there.

**Forecasted period: Today (8.30IST) to 06<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Saturday) in the block. The day temperature will be 30-31°C and night temperature will be 17-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 52-80% and 27-34% 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	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	30	31	31	31	31
T-Min(°C)	17	17	18	18	19
Cloud Cover(octa)	3	2	0	0	0
RH Max (%)	52	75	76	80	79
RH Min (%)	28	27	29	32	34
Wind Speed (Kmph)	7	6	5	5	6
Wind Direction (deg)	349	338	150	158	135

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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:**

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 then 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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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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advisories in local language and DAMINI  
APP for Lightening alert in your area



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

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

The block received 0 mm and district received 1 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-29 October 2020 to 25 November 2020), Moderately dry condition was there.

**Forecasted period: Today (8.30IST) to 06<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Saturday) in the block. The day temperature will be 29-30°C and night temperature will be 19-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 57-77% and 32-42% 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	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	29	29	30	30	30
T-Min (°C)	19	20	20	21	22
Cloud Cover (octa)	4	2	0	0	1
RH Max (%)	57	76	77	76	74
RH Min (%)	36	32	36	41	42
Wind Speed (Kmph)	10	8	8	8	9
Wind Direction (deg)	64	342	113	116	116

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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:**

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 then 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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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.-146  
Date- 01/12/2020

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

The block received 02 mm and district received 1 mm rainfall during the last week. The mean daily maximum and minimum temperature was 29°C and 16°C, respectively. According to NDVI map (18.11.2020 to 24.11.2020) the agriculture vigor was light to moderate over most places of Cuttack district whereas according to SPI value (cumulative 4 weeks-29 October 2020 to 25 November 2020), Moderately dry condition was there.

**Forecasted period: Today (8.30IST) to 06<sup>th</sup> December (8.30IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Saturday) in the block. The day temperature will be 30-32°C and night temperature will be 15-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-87% and 28-34% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	02/12/2020	03/12/2020	04/12/2020	05/12/2020	06/12/2020
Rainfall(mm)	0	0	0	0	0
00T-Max(°C)	30	31	32	31	31
T-Min(°C)	15	15	16	16	17
Cloud Cover(octa)	4	2	0	0	1
RH Max (%)	56	69	81	87	87
RH Min (%)	30	29	28	30	34
Wind Speed (Kmph)	5	4	3	4	5
Wind Direction (deg)	72	338	135	150	158

**Agromet Advisory**

**General Advisory:** As dry weather expected mainly during next five days and also moderately 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. Harvest matured paddy crops and store them in safer place after sun drying. Use low cost polythene cover or paddy straw mulch 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:**

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 then 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.
- 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.
- There are chances of infestation of **fruit fly** in cucurbit vegetables. To manage fruit fly in cucurbits, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion or DDVP in 4-litre of water. Keep this mixture in plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

**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.
- 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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