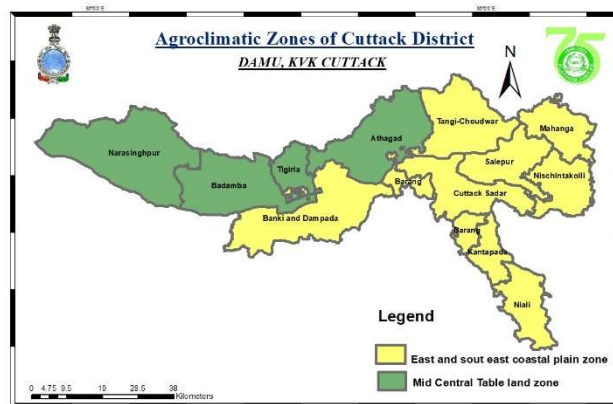
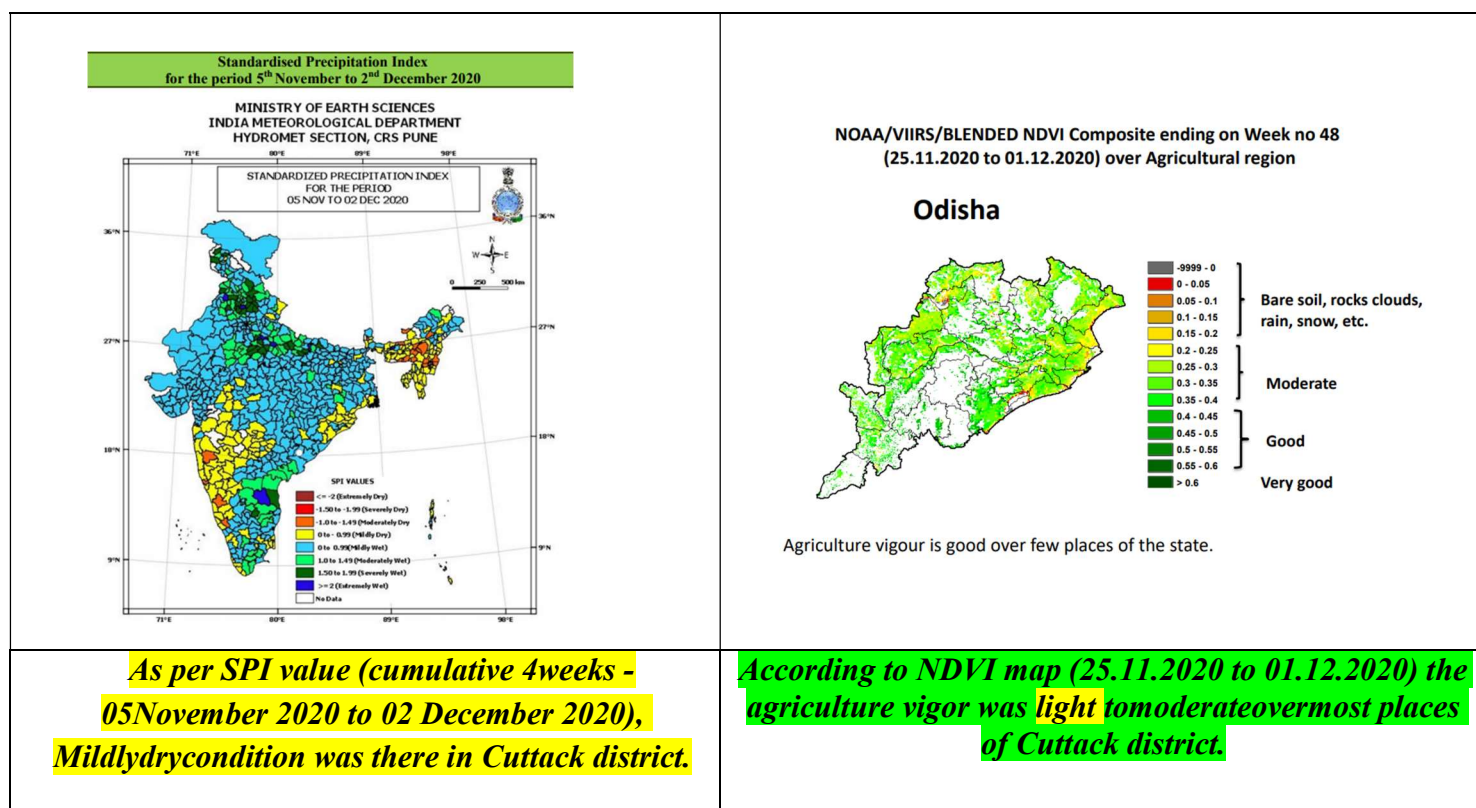


## AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



## STANDARD PRECIPITATION INDEX AND NDVI MAP



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

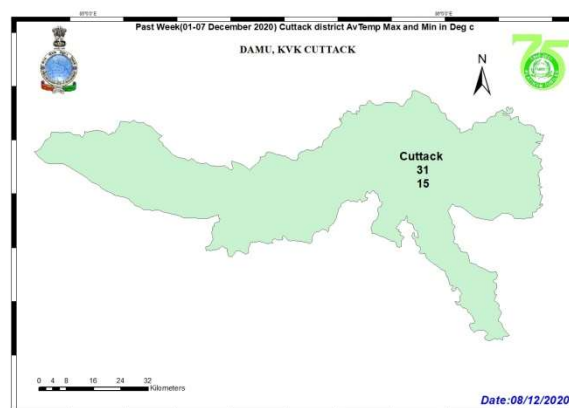
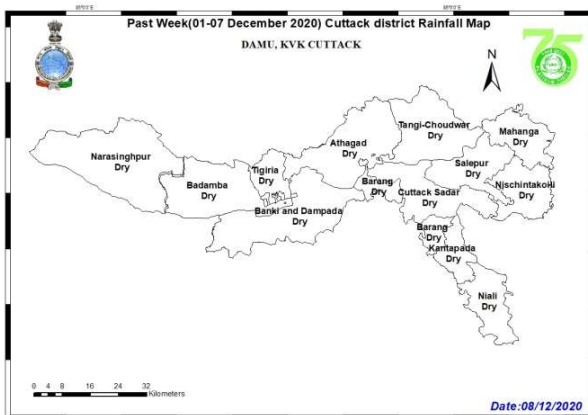


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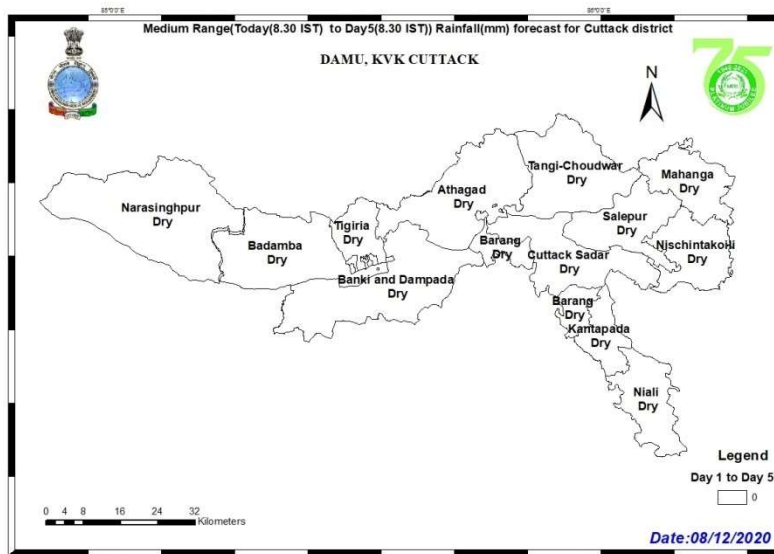


Bulletin No.-148  
Date- 08/12/2020

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



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



Dr Sujata Sethy  
(Nodal officer)









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

Sl No	Crop	Stage and condition of the crop	Anticipated Disease and pest	
1	Mustard	Vegetative stage		Aphid
2	Vegetables (Tomato, Chilli, Brinjal)	Vegetative to fruiting		Thrips
				Mites
		Fruiting		Fruit and shoot borer
3	Tomato			Leaf curl virus
				Late blight
4	Potato	Sprouting/Vegetative stage		Cut worm and leaf eating insect
	Cole crops (Cauliflower and cabbage)	Vegetative to fruiting		Leaf eating caterpillar
5				Aphid
				Fruit borer
				Diamond back moth
		Nursery Stage		Damping off

(a) Damping off



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**Bulletin No.-148**  
**Date- 08/12/2020**

**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

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

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

**Forecasted period: Today (8.30 IST) to 13<sup>th</sup> December (8.30 IST) 2020**

**Weather advisory:** No rainfall is forecasted for upcoming 5 days (Today to Saturday) in the block. The day temperature will be 31-32°C and night temperature will be 16°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-87% and 26-28% 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	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	32	31	31	31	32
T-Min (°C)	16	16	16	16	16
Cloud Cover (octa)	2	1	0	0	0
RH Max (%)	66	74	85	87	79
RH Min (%)	27	27	26	27	28
Wind Speed (kmph)	5	5	6	5	4
Wind Direction (deg)	338	345	341	360	15

**Agromet Advisory**

**General:** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:**

Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Rabi-Groundnut:**

Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water.

**Mustard:**

There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

**Vegetables:**

- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.
- Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.
- Brinjal and Chilly :** **Shoot and fruit borer** and **leaf eating caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- Cabbage and Cauliflower:** Drench the cole crop seed bed with streptomycin 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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



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**Bulletin No.-148**  
**Date- 08/12/2020**

**AGROMET ADVISORY BULLETIN FOR BADAMBA**

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

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

**Forecasted period: Today (8.30IST) to 13<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 31-32°C and night temperature will be 14-15°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-77% and 26-28% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	32	31	31	31	32
T-Min (°C)	15	15	15	14	15
Cloud Cover (octa)	2	1	0	0	0
RH Max (%)	56	60	69	77	73
RH Min (%)	27	27	26	27	28
Wind Speed (Kmph)	5	5	5	5	3
Wind Direction (deg)	345	9	345	349	75

**Agromet Advisory**

**General** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:** Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Rabi-Groundnut:**

Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water.

**Mustard:**

There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

• **Vegetables:**

• **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

• **Potato:** Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/l of water against the attack of cut worm and leaf eating insect.

• **Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4 week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid late blight precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

• **Brinjal and Chilly :** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Drench the cole crop seed bed with streptomycin 0.1g with carbendazim 1g in one liter of water to protect seedlings from damping off in one week seedlings.

• The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

• There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

□ Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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



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**Bulletin No.-148**  
**Date- 08/12/2020**

**AGROMET ADVISORY BULLETIN FORBANKI**

**District Past week weatherconditionand Block past Rainfall condition**

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

**Forecasted period: Today(8.30IST) to 13<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 31-32°C and night temperature will be 15-16°Cfor upcoming 5 days. Maximum and minimum relative humidity will be 64-84% and 26-28% respectively. There will be mainly clear to partly cloudy sky for next 5days.

Block	Banki(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	32	32	32	31	32
T-Min(°C)	16	15	15	15	16
Cloud Cover(octa)	2	1	0	0	0
RH Max (%)	64	66	78	84	76
RH Min (%)	27	26	26	27	28
Wind Speed (Kmph)	6	5	6	5	3
Wind Direction (deg)	345	345	349	342	180

**Agromet Advisory**

**General** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions .

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

**Pulses:**Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Rabi-Groundnut:**

Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water.

**Mustard:**

There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

- **Vegetables:**
- **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- **Potato:** Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.
- **Tomato:** The transplanted tomato is at one seedling to vegetative growth satge (1-4week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water .Mix 3 gram Trichoderma with per kg of seed during seed treatment.Avoid excess nitrogen fertilizer and close spacing of plants.
- **Brinjal and Chilly :** Shoot and fruit borer and leaf eating actterpillar may observe in brinjal field, to control it spray Enamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- **Cabbage and Cauliflower:** Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation.Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- There is a chance of occurrence of **thrip, mitesandAphids** inBrinjal, Tomato, Chilli,colecrops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:**In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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



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**Bulletin No.-148**  
**Date- 08/12/2020**

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

**Forecasted period: Today(8.30IST) to 13<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 31-32°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-84% and 26-28% respectively. There will be mainly clear to partly cloudy sky for next 5 days

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	32	32	31	31	32
T-Min(°C)	16	15	15	15	16
Cloud Cover(octa)	2	1	0	0	0
RH Max (%)	66	68	79	84	77
RH Min (%)	27	26	26	27	28
Wind Speed (Kmph)	5	5	6	5	3
Wind Direction (deg)	345	345	349	342	180

**Agromet Advisory**

**General:** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:** Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Rabi-Groundnut:**

Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water.

**Mustard:**

There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

• **Vegetables:**

• **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

• **Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/l of water against the attack of **cut worm and leaf eating insect**.

• **Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

• **Brinjal and Chilly :** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Drench the cole crop seed bed with streptomycin 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.

• The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

• There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**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**

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**Bulletin No.-148**  
**Date- 08/12/2020**

**AGROMET ADVISORY BULLETIN FOR BARANGA**

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

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

**Forecasted period: Today(8.30IST) to 13<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 31-32°C and night temperature will be 17-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-88% and 26-28% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	32	32	32	31	32
T-Min(°C)	17	17	17	17	18
Cloud Cover	2	1	0	0	0
RH Max (%)	78	85	88	87	78
RH Min (%)	27	27	26	27	28
Wind Speed (Kmph)	6	6	6	6	5
Wind Direction (deg)	338	11	338	338	158

**Agromet Advisory**

**General** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:** Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Rabi-Groundnut:**

Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water.

**Mustard:**

There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

• **Vegetables:**

• **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

• **Potato:** Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/l of water against the attack of **cut worm and leaf eating insect**.

• **Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

• **Brinjal and Chilly :** **Shoot and fruit borer** and **leaf eating caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Drench the cole crop seed bed with streptomycin 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.

• The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

• There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

• Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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



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**Bulletin No.-148**  
**Date- 08/12/2020**

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

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

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

**Forecasted period: Today(8.30IST) to 13<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 31-32°C and night temperature will be 17-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-89% and 26-28% 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	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	32	31	31	31	32
T-Min(°C)	17	17	17	17	18
Cloud Cover(octa)	2	1	0	0	0
RH Max (%)	75	86	89	88	78
RH Min (%)	27	27	26	27	28
Wind Speed (Kmph)	5	6	6	6	5
Wind Direction (deg)	338	349	18	293	158

**Agromet Advisory**

**General** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:** Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**Mustard:** 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:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.

**Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4 week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

**Brinjal and Chilly :** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:** Drench the cole crop seed bed with streptomycin 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.

The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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



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**Bulletin No.-148**  
**Date- 08/12/2020**

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

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

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

**Forecasted period: Today(8.30IST) to 13<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 31-32°C and night temperature will be 18°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-86% and 28-29% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	32	32	32	31	32
T-Min(°C)	18	18	18	18	18
Cloud Cover(octa)	2	1	0	0	0
RH Max (%)	80	85	86	83	76
RH Min (%)	29	28	28	29	28
Wind Speed (Kmph)	7	6	7	7	5
Wind Direction (deg)	338	360	338	338	162

**Agromet Advisory**

**General** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:** Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**Mustard:**

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:**

• **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

• **Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.

• **Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4 week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

• **Brinjal and Chilly :** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.

• The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

• There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

• Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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



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**Bulletin No.-148**  
**Date- 08/12/2020**

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

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

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

**Forecasted period: Today(8.30IST) to 13<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 31-32°C and night temperature will be 17-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-90% and 26-28% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	32	31	31	31	32
T-Min(°C)	18	18	17	17	18
Cloud Cover(octal)	2	1	0	0	0
RH Max (%)	80	90	89	86	75
RH Min (%)	27	28	27	26	28
Wind Speed (Kmph)	6	6	7	7	6
Wind Direction (deg)	333	15	338	248	293

**Agromet Advisory**

**General** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:** Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**Mustard:**

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:**
- **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- **Potato:** Go for hoeing and hand weeding at 21 DAS and earthing up should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/lit of water against the attack of **cut worm and leaf eating insect**.
- **Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4 week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.
- **Brinjal and Chilly :** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- **Cabbage and Cauliflower:** Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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



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**Bulletin No.-148**  
**Date- 08/12/2020**

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

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

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

**Forecasted period: Today (8.30IST) to 13<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 31-32°C and night temperature will be 13-14°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-68% and 25-27% 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	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	31	31	31	31	32
T-Min (°C)	14	14	14	13	14
Cloud Cover (/octa)	3	1	0	0	0
RH Max (%)	55	56	57	66	68
RH Min (%)	26	26	25	26	27
Wind Speed (Kmph)	5	4	4	3	2
Wind Direction (deg)	342	360	360	23	135

**Agromet Advisory**

**General** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:** Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Rabi-Groundnut:**

Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water.

**Mustard:**

There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

• **Vegetables:**

• **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

• **Potato:** Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/l of water against the attack of **cut worm and leaf eating insect**.

• **Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

• **Brinjal and Chilly :** **Shoot and fruit borer** and **leaf eating caterpillar** may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

• **Cabbage and Cauliflower:** Drench the cole crop seed bed with streptomycin 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.

• The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

• There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

□ Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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



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**Bulletin No.-148**  
**Date- 08/12/2020**

**AGROMET ADVISORY BULLETIN FOR NIALI**

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

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

**Forecasted period: Today(8.30IST) to 13<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 31-32°C and night temperature will be 18°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-85% and 29-31% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	32	32	32	31	32
T-Min(°C)	18	18	18	18	18
Cloud Cover(octa)	3	1	0	0	0
RH Max (%)	81	84	85	81	75
RH Min (%)	31	29	30	31	30
Wind Speed(Kmph)	6	6	6	6	6
Wind Direction(deg)	333	360	15	165	154

**Agromet Advisory**

**General** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:** Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**Mustard:** 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:**

- Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- Potato:** Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/ltr of water against the attack of **cut worm and leaf eating insect**.
- Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.
- Brinjal and Chilly :** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- Cabbage and Cauliflower:** Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from **damping off** in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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



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Bulletin No.-148  
Date- 08/12/2020

**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

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

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

**Forecasted period: Today (8.30IST) to 13<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 31-32°C and night temperature will be 17-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-90% and 27-28% 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	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	32	32	31	31	32
T-Min (°C)	18	18	18	17	18
Cloud Cover (octa)	2	1	0	0	0
RH Max (%)	81	90	89	86	75
RH Min (%)	28	28	28	27	28
Wind Speed (Kmph)	6	6	7	7	6
Wind Direction (deg)	248	15	338	248	248

**Agromet Advisory**

**General:** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:** Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Sugarcane:**

Harvest early duration (10 month old) and medium duration (12 month old) matured sugarcane plants. After harvest store them in dry and shaded place.

**Mustard:**

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:**
- **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- **Potato:** Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/ltr of water against the attack of **cut worm and leaf eating insect**.
- **Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.
- **Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- **Cabbage and Cauliflower:** Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from damping off in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
- There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

- Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

**Dr Sujata Sethy**  
(Nodal officer)



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**Bulletin No.-148**  
**Date- 08/12/2020**

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

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

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

**Forecasted period: Today (8.30IST) to 13<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 31-32°C and night temperature will be 17-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-90% and 27-28% 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	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	32	32	31	31	32
T-Min (°C)	18	18	18	17	18
Cloud Cover (octa)	2	1	0	0	0
RH Max (%)	80	90	89	86	75
RH Min (%)	28	28	27	27	28
Wind Speed (Kmph)	6	6	7	7	6
Wind Direction (deg)	342	15	338	248	248

**Agromet Advisory**

**General:** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:** Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Rabi-Groundnut:**

Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water.

**Mustard:** There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

**Vegetables:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/ltr of water against the attack of cut worm and leaf eating insect.

**Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

**Brinjal and Chilly:** Shoot and fruit borer and leaf eating actterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:** Drench the cole crop seed bed with streptomycin 0.1g with carbendazim 1g in one liter of water to protect seedlings from damping off in one week seedlings.

The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

□ Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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



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**Bulletin No.-148**  
**Date- 08/12/2020**

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

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

**Forecasted period: Today (8.30 IST) to 13<sup>th</sup> December (8.30 IST) 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 21°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-85% and 35-41% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	31	30	31	31	31
T-Min (°C)	21	21	21	21	21
Cloud Cover (octa)	3	1	0	0	0
RH Max (%)	82	85	82	78	72
RH Min (%)	41	41	40	38	35
Wind Speed (Kmph)	7	7	8	8	7
Wind Direction (deg)	158	113	120	326	169

**Agromet Advisory**

**General:** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:** Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Rabi-Groundnut:**

Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water.

**Mustard:** There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

**Vegetables:**

**Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

**Potato:** Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/ltr of water against the attack of cut worm and leaf eating insect.

**Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4 week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.

**Brinjal and Chilly:** Shoot and fruit borer and leaf eating caterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.

**Cabbage and Cauliflower:** Drench the cole crop seed bed with streptomycin 0.1g with carbendazim 1g in one liter of water to protect seedlings from damping off in one week seedlings.

The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.

There is a chance of occurrence of **thrip, mites and Aphids** in Brinjal, Tomato, Chilli, cole crops, for control spray imidachloprid 0.3 ml /liter or fipronil 2 ml /liter of water.

**Animal husbandry:** In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air.

□ Farmers should offer 20-30% more feed to counter the winter along with lukewarm water.

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



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Bulletin No.-148  
Date- 08/12/2020

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

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

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

**Forecasted period: Today (8.30IST) to 13<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 31-32°C and night temperature will be 15-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-84% and 27-28% 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	09/12/2020	10/12/2020	11/12/2020	12/12/2020	13/12/2020
Rainfall (mm)	0	0	0	0	0
00T-Max (°C)	32	31	31	31	32
T-Min (°C)	16	15	15	15	16
Cloud Cover (octa)	2	1	0	0	0
RH Max (%)	61	67	78	84	77
RH Min (%)	28	27	27	27	28
Wind Speed (Kmph)	5	5	6	5	3
Wind Direction (deg)	338	345	341	360	23

**Agromet Advisory**

**General:** Use low cost polythene covers above the vegetables nursery to avoid poor germination due to low temperature. Irrigate the field regularly to maintain the soil temperature. Before sowing of vegetables, apply well decomposed FYM or compost that will improve the physical and biological properties of soil and thus increase the water retention capacity of soil and also it will maintain the soil temperature in cold night conditions.

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

**Pulses:** Apply 2 tonnes of FYM or Compost during land preparation. Apply 35 kg DAP, 13 kg MOP, 4 kg of Urea and 4 kg Borax per acre as basal fertilizer during final land preparation. Sow the seeds in line by keeping the row to row spacing at 30 cm and plant to plant spacing at 10 cm. Apply pre-emergence herbicide Pendimethalin 30 % E.C @ 1 litre /acre at 1-2 DAS.

**Rabi-Groundnut:**

Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied than post emergence herbicide like Imazethapyr 10 % @ 300-ml/acre or Quizalofop-Ethyl 5 % EC @ 400-ml/acre should be applied at 15-DAS by mixing it in 200 litre of water.

**Mustard:**

There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

- **Vegetables:**
- **Onion:** The onion seedlings in nursery are five to seven week stage. Prepare the field for transplanting onion seedlings at eight week stage. Pre emergence herbicides may be used in Onion in nursery bed like Quizalofop ethyl 5% EC @ 50g/ha at 15DAS. Apply 43kg DAPS, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.
- **Potato:** Go for hoeing and hand weeding at 21 DAS and earthing of should be done by applying 26 Kg of Urea and 20 Kg of MOP in line on both side at 3-4 cm from the plants and at a depth of 2-3 cm. After 3 weeks of first earthing up go for hoeing and hand weeding and apply again 26 Kg of Urea and 20 Kg of MOP in line on both side the plants and earthing up should be done to cover up the tubers properly. Apply chlorpyrifos @ 2.5 ml/ltr of water against the attack of cut worm and leaf eating insect.
- **Tomato:** The transplanted tomato is at one seedling to vegetative growth stage (1-4week) stage. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation. **Tomato leaf curl virus** may reported in present crop condition, spray Imidachloprid 17.8% SL @ 0.5 ml or Dimethoate 30% EC @ 2 ml/litre of water at 15, 25, 45 days after transplanting to control vector. To avoid **late blight** precaution must be taken during the initial infection stage. Spray 2.5-gram Metalaxyl + Mancozeb/ltr of water. Mix 3 gram Trichoderma with per kg of seed during seed treatment. Avoid excess nitrogen fertilizer and close spacing of plants.
- **Brinjal and Chilly:** Shoot and fruit borer and leaf eating actterpillar may observe in brinjal field, to control it spray Emamectin benzoate 5% SG @ 0.4 g/litre of water or Chlorantraniliprole 18.5% SC @ 0.4 ml/litre of water. Spraying should be done during the early morning or evening hours.
- **Cabbage and Cauliflower:** Drench the cole crop seed bed with streptocycline 0.1g with carbendazim 1g in one liter of water to protect seedlings from damping off in one week seedlings.
- The transplanted cabbage is at seedling establishment to three week stage. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation. Cole crops may get affected by **diamond back moth**. To control this apply Spinosad 45SC @ 0.5ml/l.
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