

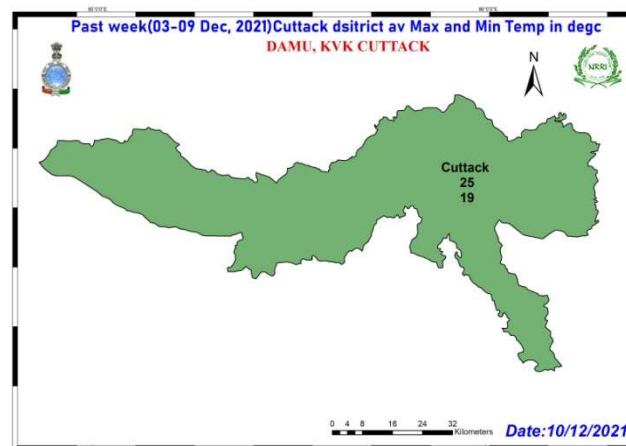
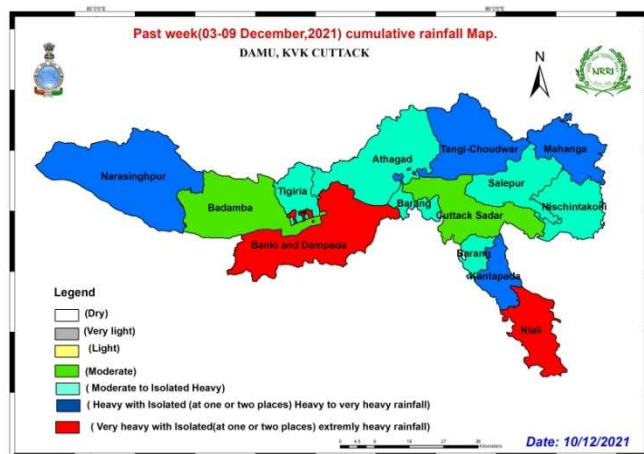


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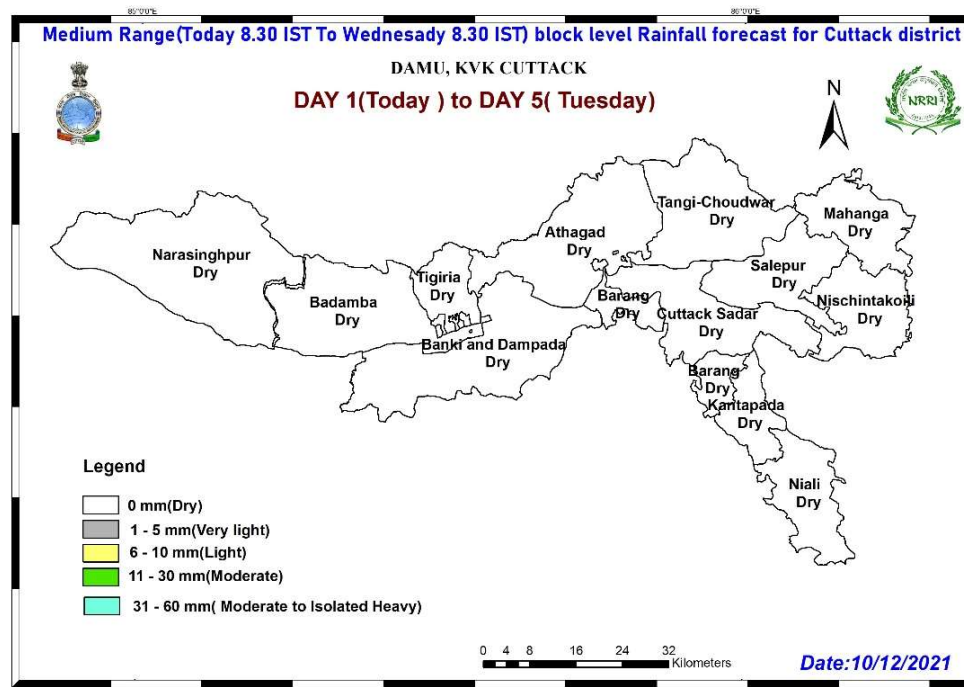


Bulletin No.-252
 Date- 10/12/2021

Past week (03-09 Dec) cumulative rainfall and average temperature for Cuttack district



Medium range (Today (8.30IST) to Wednesday (8.30IST)) Rainfall (mm) forecast for Cuttack district



Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-252
 Date- 10/12/2021

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (15-21 December 2021)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	51.53	Above Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	-0.14	Normal
	Minimum temperature	0.12	Normal

General Agromet Advisory:- There will be above normal rainfall in subsequent week after 5 days (15-21 Dec 2021) in Odisha condition, and there will be dry weather is forecasted for upcoming 5 days. Farmers should go for harvesting and threshing operation of paddy before the subsequent week. Farmers should go for sowing of rabi vegetables and crops by utilization of rain water in the subsequent week.

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-252
Date- 10/12/2021

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

Dr Sujata Sethy
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Bulletin No.-252
Date- 10/12/2021

AGROMET ADVISORY BULLETIN FOR ATHAGAD

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

The block received average 8 mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be 27-28°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-77% and 41-52% respectively. There will be clear to partly cloudy for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	28	28	28	27	27
T-Min (°C)	16	16	15	14	14
Cloud Cover (octa)	3	2	2	4	6
RH Max (%)	66	77	71	67	71
RH Min (%)	52	48	45	42	41
Wind Speed (kmph)	6	7	6	5	4
Wind Direction (deg)	45	68	68	75	81

Agromet Advisory

General Advisory: 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:

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

Mustard: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of

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

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 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.-252
Date- 10/12/2021

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 3 mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 13-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-77% and 41-55% respectively. **There will clear to partly cloudy sky for next 5 days.**

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	29	27	27	27
T-Min(°C)	16	16	15	14	13
Cloud Cover(octa)	3	2	2	5	6
RH Max (%)	70	77	75	74	76
RH Min (%)	55	47	45	42	41
Wind Speed (Kmph)	4	6	5	4	4
Wind Direction (deg)	58	90	68	75	146

Agromet Advisory

General Advisory: 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.

Khari/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:

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

Mustard: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of

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

- 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/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 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.-252
Date- 10/12/2021

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-76% and 40-53% respectively. There will be clear to partly cloudy for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	29	27	27	27
T-Min(°C)	16	16	15	14	14
Cloud Cover(octa)	3	2	2	4	6
RH Max (%)	69	76	73	70	74
RH Min (%)	53	47	44	41	40
Wind Speed (Kmph)	6	7	6	5	4
Wind Direction (deg)	45	75	75	68	75

Agromet Advisory

General Advisory: 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.

Khari 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:

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

Mustard: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of

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

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 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.

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Bulletin No.-252
Date- 10/12/2021

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 18 mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather Advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-76% and 40-53% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	29	28	27	27
T-Min(°C)	16	16	15	14	14
Cloud Cover(octa)	3	2	3	4	6
RH Max (%)	69	76	73	69	73
RH Min (%)	53	47	44	41	40
Wind Speed (Kmph)	6	7	6	5	4
Wind Direction (deg)	58	75	68	75	75

Agromet Advisory

General Advisory: 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.

Khari 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:

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

Mustard: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

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 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.-252
Date- 10/12/2021

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 6 mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 64-76% and 40-52% respectively. **There will be clear to partly cloudy for next 5 days.**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	28	27	27
T-Min(°C)	16	16	15	14	14
Cloud Cover	3	1	3	3	7
RH Max (%)	67	76	68	64	67
RH Min (%)	52	49	44	41	40
Wind Speed (Kmph)	8	9	8	7	5
Wind Direction (deg)	45	58	63	68	45

Agromet Advisory

General Advisory: 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:

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

Mustard: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

• **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 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.-252
Date- 10/12/2021

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

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

The block received average 3 mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-76% and 41-51% respectively. There will be clear to partly cloudy for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	29	28	27	27
T-Min(°C)	16	16	15	14	14
Cloud Cover(octa)	2	1	2	4	7
RH Max (%)	65	76	68	63	65
RH Min (%)	51	49	44	41	41
Wind Speed (Kmph)	8	9	8	6	5
Wind Direction (deg)	45	58	63	68	60

Agromet Advisory

General Advisory: 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:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

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/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 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.-252
Date- 10/12/2021

AGROMET ADVISORY BULLETIN FOR KANTAPADA

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

The block received average 16 mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 64-77% and 41-53% respectively. **There will be clear to partly cloudy for next 5 days.**

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	28	27	27
T-Min(°C)	17	16	15	14	14
Cloud Cover(octa)	2	0	3	2	7
RH Max (%)	70	77	69	64	66
RH Min (%)	53	51	47	41	41
Wind Speed (Kmph)	8	10	10	8	7
Wind Direction (deg)	45	58	63	75	30

Agromet Advisory

General Advisory: 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:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

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/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 be 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/litre 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.-252
Date- 10/12/2021

AGROMET ADVISORY BULLETIN FOR MAHANGA

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

The block received average 9 mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be and it will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-76% and 40-50% respectively. **There will be clear to partly cloudy for next 5 days.**

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	28	27	27
T-Min(°C)	16	16	15	14	14
Cloud Cover(octal)	1	0	2	4	7
RH Max (%)	69	76	70	62	59
RH Min (%)	50	48	45	40	41
Wind Speed (Kmph)	8	10	9	7	6
Wind Direction (deg)	27	56	63	68	45

Agromet Advisory

General Advisory: 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:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

- 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 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.

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Bulletin No.-252
Date- 10/12/2021

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 9 mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be 28-29°C and night temperature will be 13-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-83% and 41-56% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	29	28	28	28
T-Min(°C)	16	16	15	14	13
Cloud Cover(octa)	2	2	2	5	6
RH Max (%)	74	82	81	83	79
RH Min (%)	56	46	44	42	41
Wind Speed (Kmph)	3	5	4	4	3
Wind Direction (deg)	90	101	113	117	135

Agromet Advisory

General Advisory: 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.

Khari 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:

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

Mustard: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of

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

- 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/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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Debasish Jena

SMS (Agrometeorology)

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Bulletin No.-252
Date- 10/12/2021

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 23 mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-78% and 42-54% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	28	27	27
T-Min(°C)	16	16	15	14	14
Cloud Cover(octa)	1	0	3	2	7
RH Max (%)	71	78	71	65	66
RH Min (%)	54	52	49	42	42
Wind Speed(Kmph)	9	11	10	9	7
Wind Direction(deg)	45	58	58	75	68

Agromet Advisory

General Advisory: 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.

Khari 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:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

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 be 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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GRAMIN KRISHIMAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK

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AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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



Bulletin No.-252

Date- 10/12/2021

The block received average 5mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-77% and 40-51% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	28	27	27
T-Min(°C)	16	16	15	14	14
Cloud Cover(octa)	1	0	2	3	7
RH Max (%)	69	77	70	62	60
RH Min (%)	51	49	45	40	41
Wind Speed (Kmph)	9	10	9	7	6
Wind Direction (deg)	32	58	63	68	45

Agromet Advisory

General Advisory: 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.

Kharrif 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:

The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of **Aphid** infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

- **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 be 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 Sathy
(Nodal officer)



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Bulletin No.-252
Date- 10/12/2021

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 5mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5days in the block. The day temperature will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-76% and 40-51% respectively. There will be clear to partly cloudy sky for next 5days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	28	27	27
T-Min(°C)	16	16	15	14	14
Cloud Cover(octa)	1	0	2	3	7
RH Max (%)	68	76	69	62	61
RH Min (%)	51	49	45	40	41
Wind Speed (Kmph)	8	10	9	7	6
Wind Direction (deg)	27	58	56	68	45

Agromet Advisory

General Advisory: 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.

Khari 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:

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

Mustard: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

• **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 be 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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AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR



Bulletin No.-252

Date- 10/12/2021

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

The block received average 10 mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-77% and 45-56% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	29	29	28	27	27
T-Min(°C)	16	16	15	14	14
Cloud Cover(octa)	0	0	3	2	8
RH Max (%)	73	77	72	65	60
RH Min (%)	55	56	54	45	46
Wind Speed (Kmph)	12	14	13	11	9
Wind Direction (deg)	45	45	58	62	45

Agromet Advisory

General Advisory: 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:

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

Mustard: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

• **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.-252
Date- 10/12/2021

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 7 mm and district received average 9 mm rainfall during the last week. The mean daily maximum and minimum temperature was 25°C and 19°C, respectively. Mean relative humidity of the district was around 92-84%.

Forecasted period: Today(8.30IST) to 15th December (8.30IST)2021

Weather advisory: Dry weather is forecasted for Today to Tuesday and minimum temperature will likely to decrease in upcoming 5 days in the block. The day temperature will be 27-29°C and night temperature will be 14-16°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-77% and 41-53% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	11/12/2021	12/12/2021	13/12/2021	14/12/2021	15/12/2021
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	28	29	27	27	27
T-Min(°C)	16	16	15	14	14
Cloud Cover(octa)	3	2	2	5	6
RH Max (%)	67	77	73	70	74
RH Min (%)	53	48	45	43	41
Wind Speed (Kmph)	5	7	6	5	4
Wind Direction (deg)	45	68	75	75	90

Agro met Advisory

General Advisory: 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:

The early sown rabi groundnut crop is at 3 week stage. Go for weeding and hoeing. Apply 100 kg Gypsum by broadcasting or side dress 50 Kg of Gypsum. Irrigate the crop if required. Apply pre-emergence herbicide Oxyfluorfen 23.5 % EC @ 80ml/acre or Pendimethalin 30 % EC @ 1-litre/acre or at 1-2 DAS. If pre-emergence herbicide is not applied 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: The mustard is at 15 to 20 days stage. Go for hoeing and weeding. Thin out the plants and maintain optimum plant population. There are chances of Aphid infestation in early sown mustard crop. To manage aphids at early stage, put 8 number of yellow sticky traps per acre and to manage Aphids chemically spray Thiamethoxam 25 % WG @ 40-gram/acre or Acetamiprid 20 % SP @ 50-gram/acre in 200-liter of water.

- **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.
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- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.
<https://play.google.com/store/apps/details?id=com.aas.meghdoot>
- Kindly install and use **“Damini mobile App”** for location specific for lightening forecast and warnings.
<https://play.google.com/store/apps/details?id=com.lightening.live.damini>
- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

1	ICAR-NRRI, Cuttack, Odisha	https://icar-nrri.in/agromate/	
2	Agromet division, IMD, Pune	https://imdagrmet.gov.in/imdproject/AGIndex.php	

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