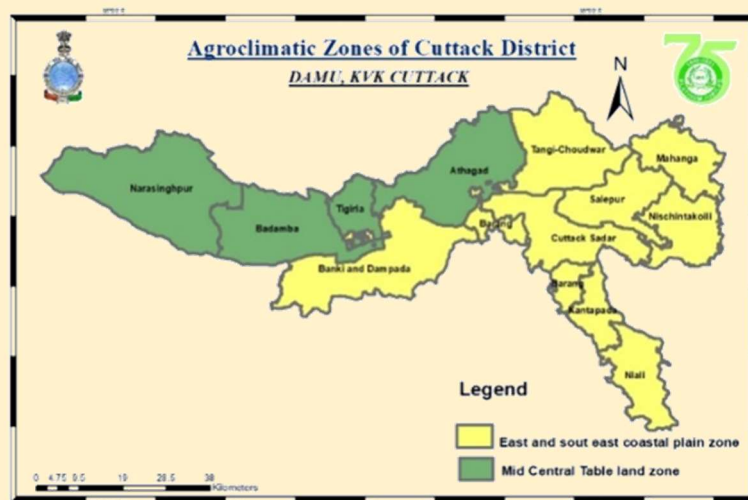




Cuttack District Block Wise Agro-met Advisory Service Bulletin

*Friday, 03rd November, 2023
 (For the period 03rd to 07th November,
 2023)*



*Issued by
 District Agro-met Unit,
 Krishi Vigyan Kendra Cuttack*



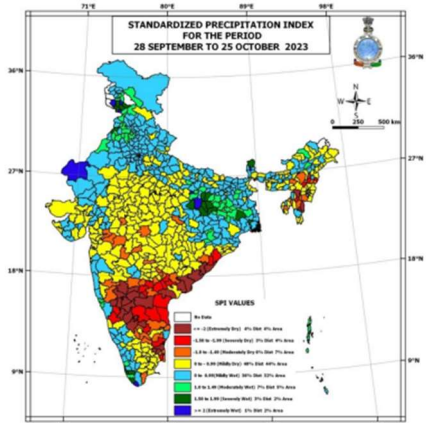
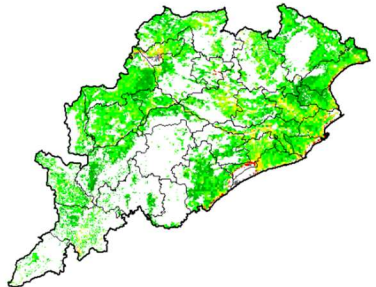


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Bulletin No.-450
Date- 03/11/2023

STANDARD PRECIPITATION INDEX AND NDVI MAP

Standard Precipitation Index (SPI)	Normalized difference vegetation Index (NDVI)
<p align="center">Standardised Precipitation Index for the period 28th September to 25th October 2023</p> 	<p align="center">NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 43 (22.10.2023 to 28.10.2023) over Agricultural region</p> <p align="center">Odisha</p> 
<p>As per SPI value (cumulative 4weeks -28 September to 25 October2023), Mildly dry condition was there in Cuttack district.</p>	<p>According to NDVI map (22.10.2023 to 28.10.2023) the agriculture vigor was light to moderate over isolated places of allblocks.</p>

LEGEND (Medium range block level rainfall forecast)		
	No Rainfall	00 mm
	Very light rainfall	01-05 mm
	Light rainfall	06-10 mm
	Light to moderate rainfall	11-30 mm
	Moderate to heavy rainfall	31-65 mm
	Heavy to very heavy rainfall	66-115 mm
	Extremely heavy rainfall	>116 mm

LEGEND (Past week temperature)		
Color code	Temperature	Departure
	Below Normal	< 2°C from normal
	Normal	-2°C to +2°C from normal
	Above Normal	>2°C from normal

DrRanjan Kumar Mohanta
(Nodal officer)



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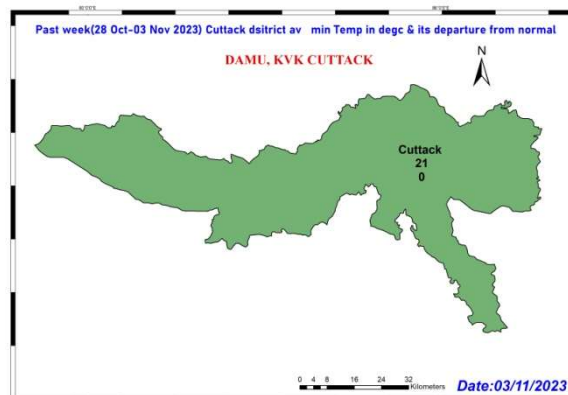
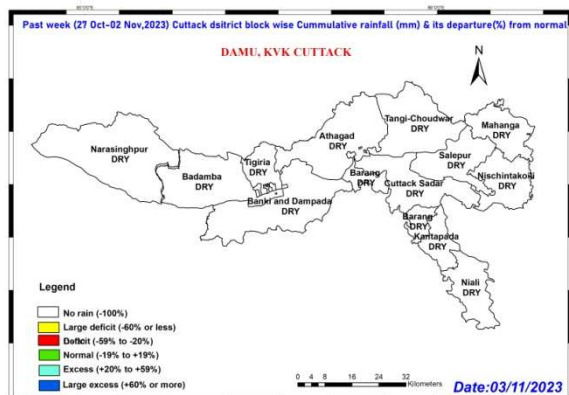
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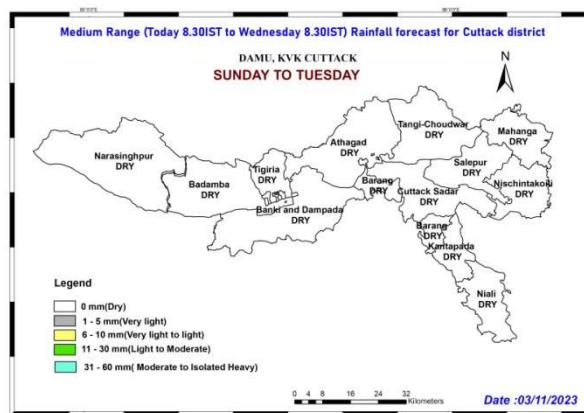
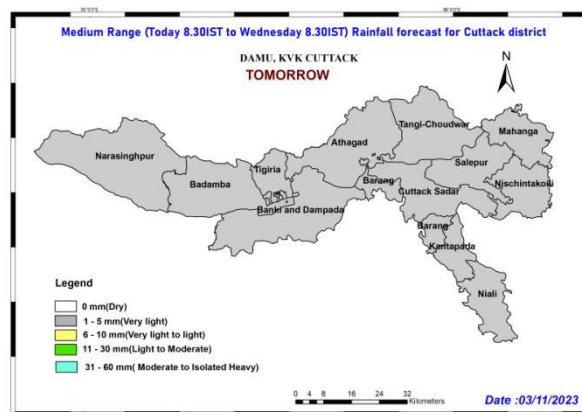
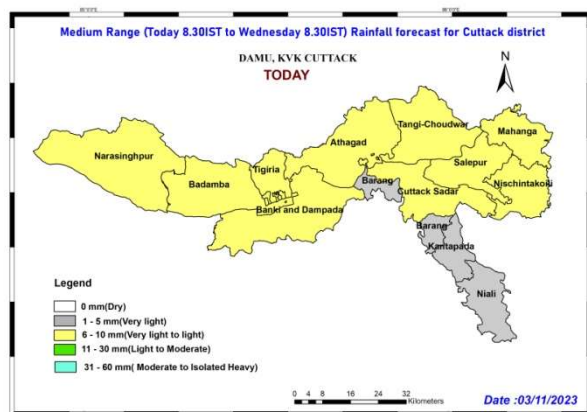
Bulletin No.-450

Date- 03/11/2023

Past week (27 Oct-02 Nov, 2023) cumulative rainfall (mm) & its departure% from normal and (28 Oct-03 Nov) average weekly minimum temperature and its departure from normal for Cuttack district



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



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Bulletin No.-450
Date- 03/11/2023

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (08-14 November 2023) after 5 days				
Odisha	<i>Parameter</i>	<i>Actual</i>	<i>Normal</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall (mm)	0.14	1.45	-90.51	Below Normal
	<i>Parameter</i>	<i>Actual</i>	<i>Normal</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature (°C)	32.96	30.07	2.90	Above Normal
	Minimum temperature (°C)	18.24	18.55	0.30	Normal

***Agromet Advisory based upon subsequent week extended range forecast:-** There will be below normal rainfall and above normal day temperature is forecasted in the subsequent week (08-14 November, 2023) after 5 days in Odisha condition, so farmer should strengthen their field bund to conserve 5-10cm water depth in reproductive stage of rice and cover the soil with white polythene in vegetable fields to conserve soil moisture and maintain soil temperature at the time of pre Rabi sowing. Due to likely below normal rainfall farmers should go for irrigation after rabi sowing activities.

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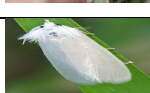
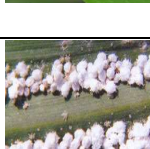
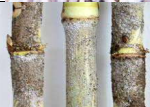



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Bulletin No.-450
Date- 03/11/2023

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	Rice	Panicle initiation to flowering/Dough stage		Bacterial leaf streak
				Gundhi bug
				Mealy bug
				BPH
				Hispa
				Caseworm
2	Sugarcane	Grand growth stage to cane development stag		Ring spot
				Top borer
				Wooly Aphid
				Scale insect
				White fly

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				Mealy bug
3	Vegetables			Aphid
				Leaf hopper
				White fly
4	Cabbage/Cauliflower	Seedling to vegetative Stage		Damping off
				White fly
				Tobacco caterpillar

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AGROMET ADVISORY BULLETIN FOR ATHAGAD



Bulletin No.-450

Date- 03/11/2023

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

The block received average 00mm&district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block.* The day temperature will be 32-34°C and night temperature will be 20-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-93% and 39-48% 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	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall (mm)	7	2	0	0	0
T-Max (°C)	33	34	33	32	33
T-Min (°C)	24	23	24	23	20
Cloud Cover (octa)	2	6	7	5	4
RH Max (%)	93	92	89	83	81
RH Min (%)	47	48	46	46	39
Wind Speed (kmph)	6	5	5	5	6
Wind Direction (deg)	153	150	75	68	330

Agromet Advisory

General advisory: *Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythine in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.*

Kharif Rice

- Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of **BPH & WBPH** occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray Lambda Cyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/acre in 200 ltr water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area

PULSES:

This is the time for sowing of pre-rabi Black gram (Biri) and Green gram (Mung). Grow high yielding varieties like T 9, PU 11, PU 19 and PU 30 for black gram; and K 851, PDM 11, PDM 54, OUM 115 for green gram. Use 10 kg seeds/acre. Before sowing, seeds are to be treated with the Rhizobium culture. Apply 4 kg urea, 35 kg DAP and 13 kg MOP per acre during final land preparation. Sow the seeds in line of 30 cm apart with 10-15 cm plant to plant distance.

VEGETABLES:

- Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.** Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Fully decomposed FYM or compost should be added before sowing of vegetable. Before seedbed preparation of winter vegetables proper seed treatment should be required. Seed treatment should be done with Trichoderma viride @ 5 gm/ltr. of water or, Mancozeb 75% W.P. @ 2.5 gm/ltr. of water.
- Transplant Cauliflower seedlings in the main field. **In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm×30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm×40-45cm distance.**
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 liter water.
- Animal husbandry:** Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-450

Date- 03/11/2023

AGROMET ADVISORY BULLETIN FOR BADAMBA

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

The block received average 00mm&district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November(8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block.* The day temperature will be 32-33°C and night temperature will be 19-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-93% and 36-49% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	7	2	0	0	0
T-Max(°C)	33	33	33	33	32
T-Min(°C)	22	22	23	22	19
Cloud Cover(octa)	2	6	7	5	4
RH Max (%)	93	92	89	90	66
RH Min (%)	49	48	46	44	36
Wind Speed (Kmph)	6	4	5	5	5
Wind Direction (deg)	158	150	75	75	330

Agromet Advisory

General advisory: Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice

- Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of **BPH & WBPH** occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis..Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.

- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area

PULSES:

This is the time for sowing of pre-rabi Black gram (Biri) and Green gram (Mung). Grow high yielding varieties like T 9, PU 11, PU 19 and PU 30 for black gram; and K 851, PDM 11, PDM 54, OUM 115 for green gram. Use 10 kg seeds/acre. Before sowing, seeds are to be treated with the Rhizobium culture. Apply 4 kg urea, 35 kg DAP and 13 kg MOP per acre during final land preparation. Sow the seeds in line of 30 cm apart with 10-15 cm plant to plant distance.

VEGETABLES:

- Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.** Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Fully decomposed FYM or compost should be added before sowing of vegetable. Before seedbed preparation of winter vegetables proper seed treatment should be required. Seed treatment should be done with Trichoderma viride @ 5 gm/ltr. of water or, Mancozeb 75% W.P. @ 2.5 gm/ltr. of water.

- Transplant Cauliflower seedlings in the main field. **In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm×30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm×40-45cm distance.**

- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.

- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.

- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.

- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 liter water.

Animal husbandry: Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

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(Nodal officer)



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Bulletin No.-450
Date- 03/11/2023

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)** respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November(8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block.* The day temperature will be 33°C and night temperature will be 20-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-93% and 38-49% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	6	3	0	0	0
T-Max(°C)	33	33	33	33	33
T-Min(°C)	23	23	23	22	20
Cloud Cover(octa)	2	6	7	5	4
RH Max (%)	93	91	89	87	78
RH Min (%)	49	48	47	45	38
Wind Speed (Kmph)	6	5	5	5	6
Wind Direction (deg)	153	150	75	68	300

Agromet Advisory

General advisory: *Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.*

Kharif Rice

- Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of **BPH & WBPH** occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray Lambda Cyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/acre in 200 ltr water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.
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VEGETABLES:

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- Transplant Cauliflower seedlings in the main field. **In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm×30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm×40-45cm distance.**
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 liter water.

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(Nodal officer)



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

(A Unit of ICAR-National Rice Research Institute)

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Bulletin No.-450

Date- 03/11/2023

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

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

The block received average 00mm&district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November(8.30IST)2023

Weather Advisory: *Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block.* The day temperature will be 33-34°C and night temperature will be 20-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-93% and 38-48% respectively. **There will be clear to partly cloudy for next 5 days.**

Block	Banki-Dampada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	6	3	0	0	0
T-Max(°C)	33	34	33	33	33
T-Min(°C)	23	23	23	22	20
Cloud Cover(octa)	2	6	7	5	4
RH Max (%)	93	91	89	86	79
RH Min (%)	48	47	48	45	38
Wind Speed (Kmph)	6	5	5	5	5
Wind Direction (deg)	153	150	75	68	300

Agromet Advisory

General advisory: Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythine in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice

- Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of **BPH & WBPH** occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray Lambda Cyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.

- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area

PULSES:

This is the time for sowing of pre-rabi Black gram (Biri) and Green gram (Mung). Grow high yielding varieties like T 9, PU 11, PU 19 and PU 30 for black gram; and K 851, PDM 11, PDM 54, OUM 115 for green gram. Use 10 kg seeds/acre. Before sowing, seeds are to be treated with the Rhizobium culture. Apply 4 kg urea, 35 kg DAP and 13 kg MOP per acre during final land preparation. Sow the seeds in line of 30 cm apart with 10-15 cm plant to plant distance.

VEGETABLES:

- Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.** Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Fully decomposed FYM or compost should be added before sowing of vegetable. Before seedbed preparation of winter vegetables proper seed treatment should be required. Seed treatment should be done with Trichoderma viride @ 5 gm/ltr. of water or, Mancozeb 75% W.P. @ 2.5 gm/ltr. of water.
- Transplant Cauliflower seedlings in the main field. **In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm×30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm×40-45cm distance.**
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 liter water.

Animal husbandry: Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-450
Date- 03/11/2023

AGROMET ADVISORY BULLETIN FOR BARANGA

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

The block received average 00mm & district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November(8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block.* The day temperature will be 32-34°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-92% and 38-52% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	4	3	0	0	0
T-Max(°C)	33	34	33	32	33
T-Min(°C)	24	24	24	23	22
Cloud Cover	2	6	7	6	3
RH Max (%)	92	91	88	78	90
RH Min (%)	47	47	52	47	38
Wind Speed (Kmph)	6	5	6	6	5
Wind Direction (deg)	158	135	15	68	304

Agromet Advisory

General advisory: Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice

- Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of **BPH & WBPH** occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200 liter water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa / case worm** in rice, to control this spray Lambda Cyhalothrin 2.5% EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/acre in 200 liter water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area

PULSES:

This is the time for sowing of pre-rabi Black gram (Biri) and Green gram (Mung). Grow high yielding varieties like T 9, PU 11, PU 19 and PU 30 for black gram; and K 851, PDM 11, PDM 54, OUM 115 for green gram. Use 10 kg seeds/acre. Before sowing, seeds are to be treated with the Rhizobium culture. Apply 4 kg urea, 35 kg DAP and 13 kg MOP per acre during final land preparation. Sow the seeds in line of 30 cm apart with 10-15 cm plant to plant distance.

VEGETABLES:

- Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish.** Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Fully decomposed FYM or compost should be added before sowing of vegetable. Before seedbed preparation of winter vegetables proper seed treatment should be required. Seed treatment should be done with Trichoderma viride @ 5 gm/ltr. of water or, Mancozeb 75% W.P. @ 2.5 gm/ltr. of water.
- Transplant Cauliflower seedlings in the main field. **In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm x 30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm x 40-45cm distance.**
- Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20-30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.
- Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.
- Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.
- To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If **whitefly** will be found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 liter water.

Animal husbandry: Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

Dr Ranjan Kumar Mohanta
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR



Bulletin No.-450

Date- 03/11/2023

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

The block received average 00mm&district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November(8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block.* The day temperature will be 32-34°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-92% and 39-48% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	6	2	0	0	0
T-Max(°C)	33	34	33	32	33
T-Min(°C)	24	24	24	23	22
Cloud Cover(octa)	2	6	6	6	3
RH Max (%)	92	91	88	77	89
RH Min (%)	45	47	48	48	39
Wind Speed (Kmph)	6	5	6	6	6
Wind Direction (deg)	158	150	15	68	315

Agromet Advisory

General advisory: Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythine in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice: Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of BPH & WBPH occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa** / **case worm** in rice, to control this spray Lambda Cyhalothrin 2.5% EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/acre in 200 ltr water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.

• Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area

Sugarcane:

Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. Present weather conditions are favourable for the incidence of **ring spot disease** in Sugarcane. To control go for spraying of copperoxychloride @ 3g/l (or) Carbendazim @ 1g/l (or) Mancozeb @ 3g/l for three times once in three weeks. To control **top shoot borer** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water. For control of Sucking pest in sugarcane like **Woolly aphid**, **Whitefly**, **Scale insects**, **mealybug** in present weather conditions go for alternate spraying of thiomethoxam 25WG @ 0.25 gm/lit or imidacloprid 0.45 ml/lit of water or Dinotefuron 20% SG 3gm/lit of Water.

VEGETABLES: Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish. Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Fully decomposed FYM or compost should be added before sowing of vegetable. Before seedbed preparation of winter vegetables proper seed treatment should be required. Seed treatment should be done with Trichoderma viride @ 5 gm/lit. of water or, Mancozeb 75% W.P. @ 2.5 gm/lit. of water.

Transplant Cauliflower seedlings in the main field. In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm×30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm×40-45cm distance.

Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20-30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.

Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.

Monitor for sucking insect pests such as **white fly**, **leaf hopper** and **aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.

To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If **whitefly** will be found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 litr water.

• **Animal husbandry:** Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR KANTAPADA



Bulletin No.-450

Date- 03/11/2023

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

The block received average 00mm&district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November(8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block.* The day temperature will be 32-33°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-93% and 40-52% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	4	1	0	0	0
T-Max(°C)	33	33	32	33	33
T-Min(°C)	25	24	24	23	23
Cloud Cover(octa)	1	7	7	6	2
RH Max (%)	93	90	87	79	91
RH Min (%)	48	49	52	47	40
Wind Speed (Kmph)	7	5	6	7	6
Wind Direction (deg)	158	158	113	90	326

Agromet Advisory

General advisory: Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of BPH & WBPH occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of mealy bug in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of hispa /case worm in rice, to control this spray Lambda Cyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water. To prevent crop from Gundhi bug apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.

• Current weather favors Bacterial leaf streak infestation in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area

Sugarcane:

Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. Present weather conditions are favourable for the incidence of ring spot disease in Sugarcane. To control go for spraying of copperoxychloride @ 3g/l (or) Carbendazim @ 1g/l (or) Mancozeb @ 3g/l for three times once in three weeks. To control top shoot borer spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water. For control of Sucking pest in sugarcane like Woolly aphid, Whitefly, Scale insects, mealybug in present weather conditions go for alternate spraying of thiomethoxam 25WG @ 0.25 gm/lit or imidacloprid 0.45 ml/lit of water or Dinotefuron 20% SG 3gm/lit of Water.

VEGETABLES: Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish. Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Fully decomposed FYM or compost should be added before sowing of vegetable. Before seedbed preparation of winter vegetables proper seed treatment should be required. Seed treatment should be done with Trichoderma viride @ 5 gm/lit. of water or, Mancozeb 75% W.P. @ 2.5 gm/lit. of water.

Transplant Cauliflower seedlings in the main field. In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm×30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm×40-45cm distance.

Undertake planting of potato crop on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.

Sow the seeds of tomato in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.

Monitor for sucking insect pests such as white fly, leaf hopper and aphid in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.

To prevent damping off disease in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If whitefly will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of Tobacco caterpillar, to control this apply 1ml/10 litr water.

Animal husbandry: Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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AGROMET ADVISORY BULLETIN FOR MAHANGA



Bulletin No.-450

Date- 03/11/2023

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

The block received average 00mm&district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November(8.30IST)2023

Weather advisory: Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block. The day temperature will be and it will be **32-33°C** and night temperature will be **22-24°C** for upcoming 5 days. Maximum and minimum relative humidity will 73-91% and 42-52% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	7	3	0	0	0
T-Max(°C)	33	33	33	32	33
T-Min(°C)	24	24	24	23	22
Cloud Cover(octal)	1	6	6	6	2
RH Max (%)	91	89	85	73	89
RH Min (%)	45	48	52	48	42
Wind Speed (Kmph)	7	6	6	7	6
Wind Direction (deg)	293	158	15	105	293

Agro-met Advisory

General advisory: Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice: Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of **BPH & WBPH** occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray Lambda Cyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.

- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area

Sugarcane:

Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. Present weather conditions are favourable for the incidence of **ring spot disease** in Sugarcane. To control go for spraying of copperoxychloride @ 3g/l (or) Carbendazim @ 1g/l (or) Mancozeb @ 3g/l for three times once in three weeks. To control **top shoot borer** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, mealybug** in present weather conditions go for alternate spraying of thiomethoxam 25WG @ 0.25 gm/lit or imidacloprid 0.45 ml/lit of water or Dinotefuron 20% SG 3gm/lit of Water.

VEGETABLES: Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish. Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Fully decomposed FYM or compost should be added before sowing of vegetable. Before seedbed preparation of winter vegetables proper seed treatment should be required. Seed treatment should be done with Trichoderma viride @ 5 gm/lit. of water or, Mancozeb 75% W.P. @ 2.5 gm/lit. of water.

Transplant Cauliflower seedlings in the main field. In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm×30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm×40-45cm distance.

Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.

Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.

Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.

To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 litr water.

- Animal husbandry:** Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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

(A Unit of ICAR-National Rice Research Institute)

Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-450

Date- 03/11/2023

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

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

The block received average 00mm&district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November(8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block.* The day temperature will be 32-33°C and night temperature will be 18-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-93% and 30-47% 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	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	7	1	0	0	0
T-Max(°C)	33	33	32	33	33
T-Min(°C)	21	21	21	20	18
Cloud Cover(/octa)	2	6	7	5	4
RH Max (%)	93	93	89	89	51
RH Min (%)	47	45	45	41	30
Wind Speed (Kmph)	5	3	4	4	5
Wind Direction (deg)	135	180	72	75	328

Agromet Advisory

General advisory: Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice

- Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of **BPH & WBPH** occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray Lambda Cyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area

PULSES:

This is the time for sowing of pre-rabi Black gram (Biri) and Green gram (Mung). Grow high yielding varieties like T 9, PU 11, PU 19 and PU 30 for black gram; and K 851, PDM 11, PDM 54, OUM 115 for green gram. Use 10 kg seeds/acre. Before sowing, seeds are to be treated with the Rhizobium culture. Apply 4 kg urea, 35 kg DAP and 13 kg MOP per acre during final land preparation. Sow the seeds in line of 30 cm apart with 10-15 cm plant to plant distance.

VEGETABLES:

Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish. Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Fully decomposed FYM or compost should be added before sowing of vegetable. Before seedbed preparation of winter vegetables proper seed treatment should be required. Seed treatment should be done with Trichoderma viride @ 5 gm/ltr. of water or, Mancozeb 75% W.P. @ 2.5 gm/ltr. of water.

Transplant Cauliflower seedlings in the main field. **In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm×30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm×40-45cm distance.**

Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.

Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.

Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.

To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 ltr water.

- Animal husbandry:** Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-450
Date- 03/11/2023

AGROMET ADVISORY BULLETIN FOR NIALI

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

The block received average 00mm&district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November(8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block.* The day temperature will be **32-34°C** and night temperature will be **23-25°C** for upcoming 5 days. Maximum and minimum relative humidity will be 80-92% and 41-51% 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	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	5	2	0	0	0
T-Max(°C)	33	33	32	33	34
T-Min(°C)	25	25	24	23	23
Cloud Cover(octa)	1	7	6	6	2
RH Max (%)	92	89	87	80	92
RH Min (%)	50	50	51	47	41
Wind Speed(Kmph)	7	6	7	8	6
Wind Direction(deg)	158	155	113	101	162

Agromet Advisory

General advisory: *Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.*

Kharif Rice: Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of **BPH & WBPH** occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray LambdaCyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.

• Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area

Sugarcane:

Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. Present weather conditions are favourable for the incidence of **ring spot disease** in Sugarcane. To control go for spraying of copperoxychloride @ 3g/l (or) Carbendazim @ 1g/l (or) Mancozeb @ 3g/l for three times once in three weeks. To control **top shoot borer** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, mealybug** in present weather conditions go for alternate spraying of thiomethoxam 25WG @ 0.25 gm/lit or imidacloprid 0.45 ml/lit of water or Dinotefuron 20% SG 3gm/lit of Water.

VEGETABLES: Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish. Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Fully decomposed FYM or compost should be added before sowing of vegetable. Before seedbed preparation of winter vegetables proper seed treatment should be required. Seed treatment should be done with Trichoderma viride @ 5 gm/lit. of water or, Mancozeb 75% W.P. @ 2.5 gm/lit. of water.

Transplant Cauliflower seedlings in the main field. **In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm×30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm×40-45cm distance.** Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.

Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.

Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.

To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 litr water.

• **Animal husbandry:** Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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

(A Unit of ICAR-National Rice Research Institute)

Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

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

The block received average 00mm&district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November(8.30IST)2023

Weather advisory: Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block. The day temperature will be 32-33°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-92% and 41-52% 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	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	6	2	0	0	0
T-Max(°C)	33	33	33	32	33
T-Min(°C)	24	24	24	23	23
Cloud Cover(octa)	1	6	6	6	2
RH Max (%)	92	89	85	75	91
RH Min (%)	46	49	52	49	41
Wind Speed (Kmph)	7	6	6	7	6
Wind Direction (deg)	293	158	15	105	300

Agromet Advisory

General advisory: Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice

Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of **BPH & WBPH** occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray Lambda Cyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.

- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area

Sugarcane:

Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. Present weather conditions are favourable for the incidence of **ring spot disease** in Sugarcane. To control go for spraying of copperoxychloride @ 3g/l (or) Carbendazim @ 1g/l (or) Mancozeb @ 3g/l for three times once in three weeks. To control **top shoot borer** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water. For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, mealybug** in present weather conditions go for alternate spraying of thiomethoxam 25WG @ 0.25 gm/lit or imidacloprid 0.45 ml/lit of water or Dinotefuron 20% SG 3gm/lit of Water.

VEGETABLES: Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish. Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Fully decomposed FYM or compost should be added before sowing of vegetable. Before seedbed preparation of winter vegetables proper seed treatment should be required. Seed treatment should be done with Trichoderma viride @ 5 gm/lit. of water or, Mancozeb 75% W.P. @ 2.5 gm/lit. of water.

Transplant Cauliflower seedlings in the main field. In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm×30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm×40-45cm distance. Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.

Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.

Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.

To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If **whitefly** will be found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 litre water.

- Animal husbandry:** Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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Bulletin No.-450
Date- 03/11/2023

AGROMET ADVISORY BULLETIN FOR SALEPUR

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

The block received average 00mm&district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November(8.30IST)2023

Weather advisory:: *Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block.* The day temperature will be 32-33°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-92% and 40-52% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	6	2	0	0	0
T-Max(°C)	33	33	33	32	33
T-Min(°C)	24	24	24	23	22
Cloud Cover(octa)	1	6	6	6	2
RH Max (%)	92	90	86	74	91
RH Min (%)	46	48	52	49	40
Wind Speed (Kmph)	7	6	6	7	6
Wind Direction (deg)	293	158	15	105	293

Agromet Advisory

General advisory: Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice

- Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of **BPH & WBPH** occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray Lambda Cyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area

PULSES:

This is the time for sowing of pre-rabi Black gram (Biri) and Green gram (Mung). Grow high yielding varieties like T 9, PU 11, PU 19 and PU 30 for black gram; and K 851, PDM 11, PDM 54, OUM 115 for green gram. Use 10 kg seeds/acre. Before sowing, seeds are to be treated with the Rhizobium culture. Apply 4 kg urea, 35 kg DAP and 13 kg MOP per acre during final land preparation. Sow the seeds in line of 30 cm apart with 10-15 cm plant to plant distance.

VEGETABLES:

Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish. Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Fully decomposed FYM or compost should be added before sowing of vegetable. Before seedbed preparation of winter vegetables proper seed treatment should be required. Seed treatment should be done with Trichoderma viride @ 5 gm/ltr. of water or, Mancozeb 75% W.P. @ 2.5 gm/ltr. of water.

Transplant Cauliflower seedlings in the main field. **In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm×30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm×40-45cm distance.**

Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.

Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.

Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.

To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If **whitefly** will found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 liter water.

- **Animal husbandry:** Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

DrRanjan Kumar Mohanta
(Nodal officer)



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

(A Unit of ICAR-National Rice Research Institute)

Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-450

Date- 03/11/2023

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

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

The block received average 00mm&district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November(8.30IST)2023

Weather advisory: Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block. The day temperature will be 32°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-90% and 47-55% 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	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	7	2	0	0	0
T-Max(°C)	32	32	32	32	32
T-Min(°C)	25	25	24	23	23
Cloud Cover(octa)	0	7	6	6	1
RH Max (%)	90	86	82	77	89
RH Min (%)	53	55	53	49	47
Wind Speed (Kmph)	9	7	8	11	8
Wind Direction (deg)	113	161	108	342	120

Agromet Advisory

General advisory: Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice

- Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of **BPH & WBPH** occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray Lambda Cyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.
- Current weather favors **Bacterial leaf streak infestation** in rice, apply Streptomycin sulphate (9%) + Tetracycline hydrochloride (1%) @ 200 g/acre along with Copper oxychloride @ 200g/acre. Use 200 litre solution for one acre area

PULSES:

This is the time for sowing of pre-rabi Black gram (Biri) and Green gram (Mung). Grow high yielding varieties like T 9, PU 11, PU 19 and PU 30 for black gram; and K 851, PDM 11, PDM 54, OUM 115 for green gram. Use 10 kg seeds/acre. Before sowing, seeds are to be treated with the Rhizobium culture. Apply 4 kg urea, 35 kg DAP and 13 kg MOP per acre during final land preparation. Sow the seeds in line of 30 cm apart with 10-15 cm plant to plant distance.

VEGETABLES:

Now the weather and soil moisture is optimum for land preparation and nursery sowing of cauliflower, cabbage, knolkhol and radish. Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Fully decomposed FYM or compost should be added before sowing of vegetable. Before seedbed preparation of winter vegetables proper seed treatment should be required. Seed treatment should be done with Trichoderma viride @ 5 gm/ltr. of water or, Mancozeb 75% W.P. @ 2.5 gm/ltr. of water.

Transplant Cauliflower seedlings in the main field. In case of Cauliflower in this dry days before transplanting during final land preparation apply 8-10 ton FYM per acre and fertilizer like N:P:K each 25-30 Kg/acre should be applied. Short duration Cauliflower varieties (5-6 weeks) should be transplanted at distance 60cm×30cm and medium and late duration varieties (3-4 week seedlings) should be transplanted at 60-75cm×40-45cm distance.

Undertake planting of **potato crop** on ridge after probable rain; 12 quintal seeds 14 (germinated tubers of 20- 30 g each), 40 kg Urea, 70 kg D.A.P., 80 kg MOP and 10 kg Sulphur are required for cultivation in 1 acre.

Sow the seeds of **tomato** in nursery bed; farmers who have already raised the seedlings, may transplant them at a distance of 60 cm (row to row) and 40 cm (plant to plant) for HYV and for hybrid variety maintain the distance 60 x 60 cm.

Monitor for sucking insect pests such as **white fly, leaf hopper and aphid** in vegetables nursery; to control, spray Imidacloprid @ 0.3ml/litre of water. Carry out transplanting of brinjal, tomato and chilli on raised bed.

To prevent **damping off disease** in cabbage/Cauliflower nursery, treat 1 kg of seeds with 2-3 g Captan 75% WS or 2 g Carbendazim 50% WP before sowing; after sowing, drench the bed soil with 3 g Metalaxyl M 4% + Mancozeb 64% WP mixed in 1 litre of water. If **whitefly** will be found in vegetative stage then to control spray Imidacloprid @ 0.3ml/litre of water. The dry weather favors infestation of **Tobacco caterpillar**, to control this apply 1ml/10 liter water.

- Animal husbandry:** Vaccinate calves above 3 months and sheep and goat above two months against Foot and Mouth disease. Provide dry and clean shelter to the animals. Provide sufficient clean drinking water to the animals.

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Bulletin No.-450

Date- 03/11/2023

AGROMET ADVISORY BULLETIN FOR TIGIRIA

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

The block received average 00mm&district received average 00mm rainfall during the last week. The mean daily maximum and minimum temperature was **31.5°C (-0.04°C from normal)** and **21.2°C (+0.6°C from normal)**, respectively. Mean relative humidity of the district was around 65-71%.

Forecasted period: Today(8.30IST) to 08th November (8.30IST)2023

Weather advisory: *Very light to light rainfall is forecasted for Today and Tomorrow and dry weather is forecasted for other 3 days in the block.* The day temperature will be 32-33°C and night temperature will be 20-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-93% and 38-49% respectively. There will be clear to partly cloudy for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	03/11/2023	04/11/2023	05/11/2023	06/11/2023	07/11/2023
Rainfall(mm)	7	3	0	0	0
T-Max(°C)	33	33	33	33	32
T-Min(°C)	23	23	23	22	20
Cloud Cover(octa)	2	6	7	5	5
RH Max (%)	93	92	89	87	74
RH Min (%)	48	49	46	46	38
Wind Speed (Kmph)	6	4	5	5	6
Wind Direction (deg)	153	150	75	68	330

Agro met Advisory

General advisory: Farmers should go for harvesting of early matured paddy at 85% maturity of the panicles in sunny days. They should keep 5 cm water in paddy fields to maintain saturation during PI to grain filling stage. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice

- Early sown paddy is now mostly in panicle initiation to flowering stage. If infestation of **BPH & WBPH** occurs, it is advised to alter the micro-climate of the rice field by alternate wetting and drying technique. If problem still persists, apply 80g Thiamethoxam or 60g Flonicamid per acre in alternate basis. Due to slight increase in temperature there may be infestation of **mealy bug** in upland rice. To control this spray Imidacloprid 17.8 SL 50 ml or Thiamethoxam 40 gram in 200ltr water for one acre. Due to fluctuation in day and night temperature there may be infestation of **hispa /case worm** in rice, to control this spray Lambda Cyhalothrin 2.5%EC @ 200 ml/acre or Chlorpyrifos 20EC @ 400 ml/ acre in 200 ltr water. To prevent crop from **Gundhi bug** apply 5 ml neem based insecticide (300 ppm) per liter of water or spray 1.5 ml Lambda Cyhalothrin per liter of water.
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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	Agrimet division, IMD, Pune	https://imdagrmet.gov.in/imdproject/AGIndex.php	

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