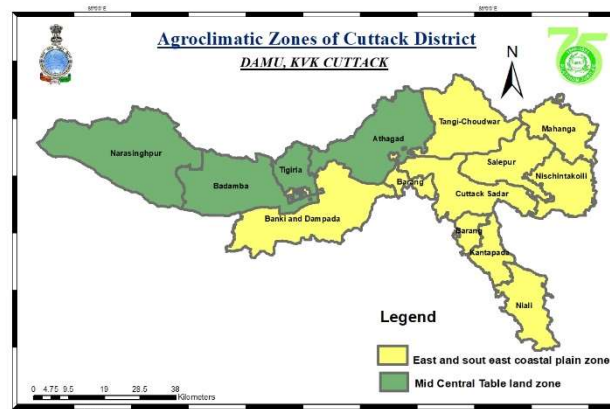
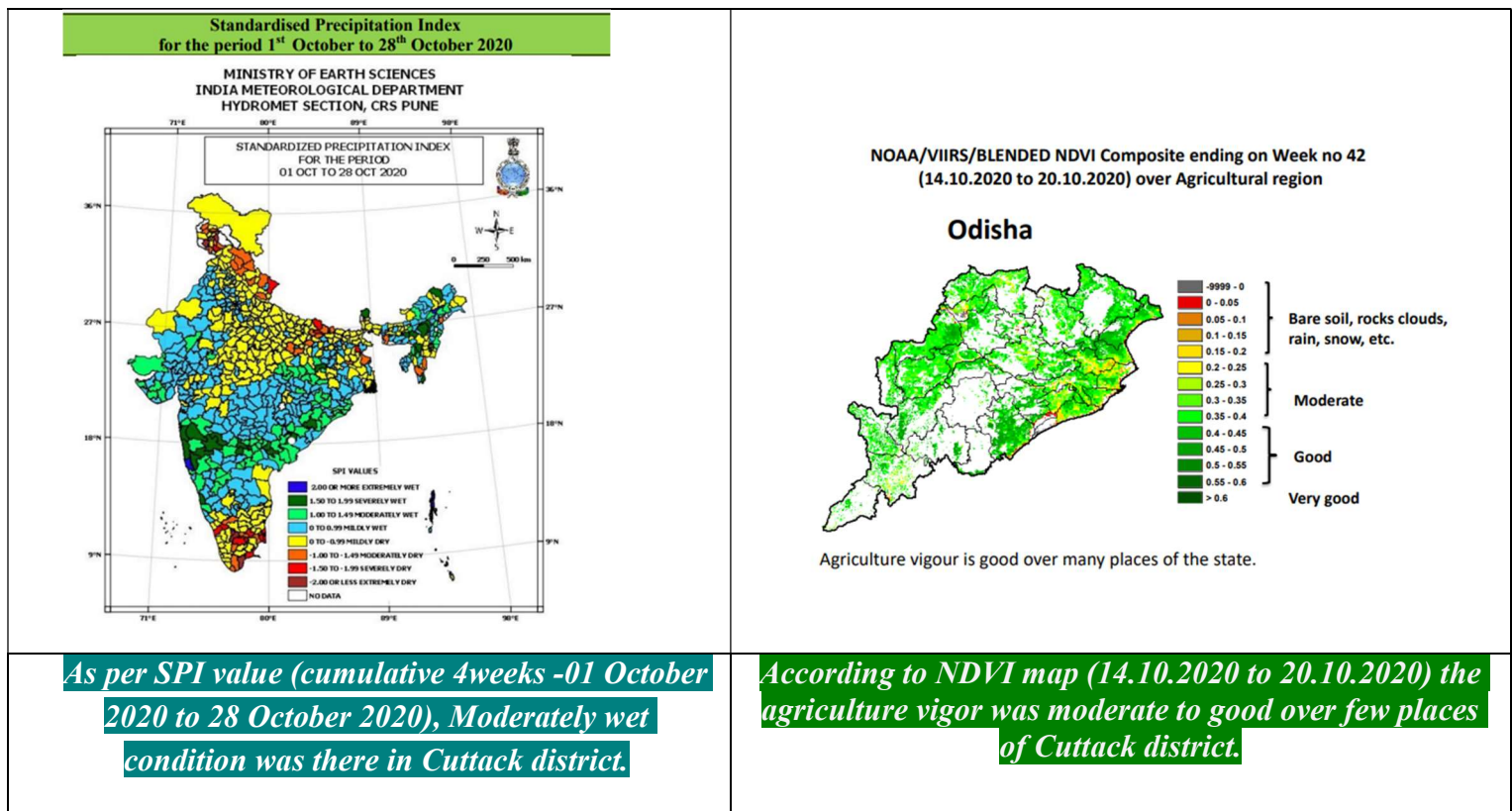


AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARD PRECIPITATION INDEX AND NDVI MAP



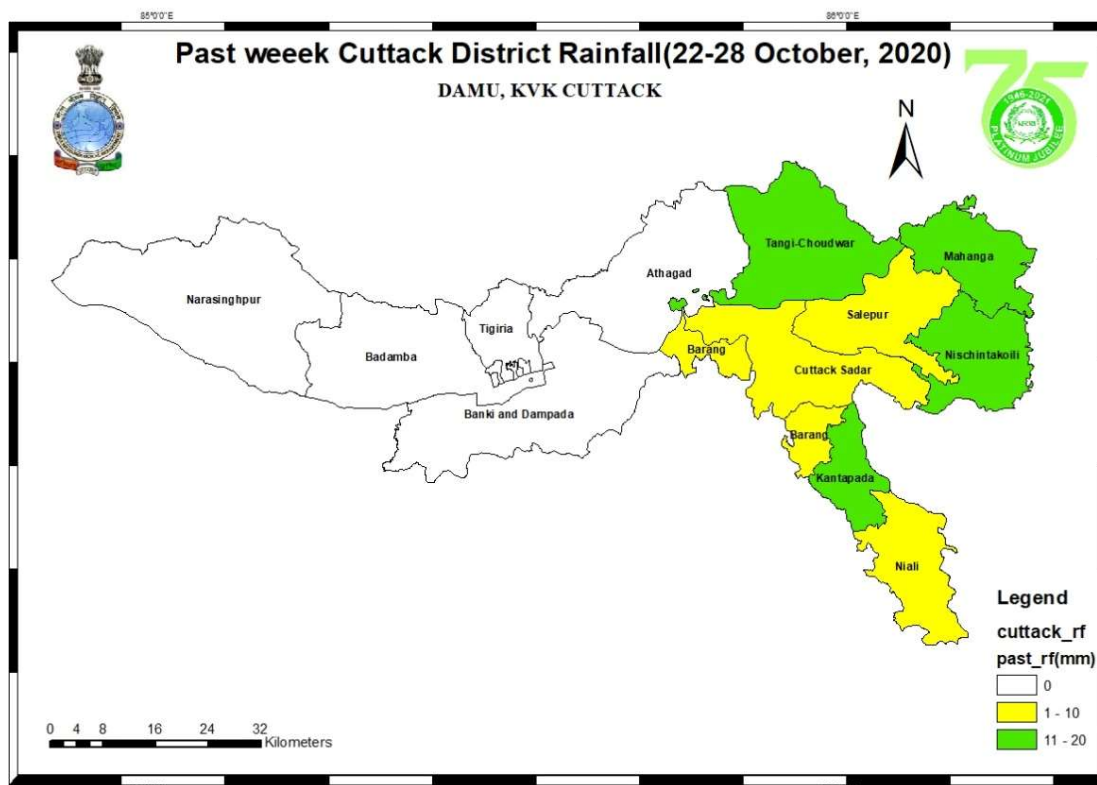
LEGEND(Medium range block level rainfall forecast)	
	Very light to light rainfall
	Light to moderate rainfall
	Moderate to heavy rainfall
	Heavy rainfall
	Very heavy rainfall
	Extremely heavy rainfall



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Bulletin No.-137
Date- 29/10/2020



Withdrawal of south west Monsoon was happened from entire Odisha yesterday, the 28th October 2020

Dr Sujata Sethy
(Nodal officer)










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

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 stage		Leaf folder
				BPH
				Gundhi bug
				False smut
				Sheath Blight
				Bacterial leaf streak
2	Sugarcane	Grand growth stage to cane development stag		Ring spot
				wilt
				Red rot
3	Vegetables	Nursery Stage		Damping Off
	Brinjal and Tomato	Vegetative to fruiting		Bacterial Wilt
	Brinjal			fruit and shoot borer



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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 4 days (Today to Sunday) and Very light to light rainfall is forecasted for Monday in the block. The day temperature will be 31-33°C and night temperature will be 19-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-94% and 38-57% respectively. There will be partly cloudy sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall (mm)	0	0	0	0	2
T-Max (°C)	31	32	32	33	33
T-Min (°C)	19	20	21	22	21
Cloud Cover (octa)	2	2	2	3	4
RH Max (%)	63	65	79	93	94
RH Min (%)	38	45	49	50	57
Wind Speed (kmph)	8	7	7	8	8
Wind Direction (deg)	349	334	345	360	15

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice:

Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25% EC @ 2ml/liter of water. Current temperature with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @ 400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptomycin @ 15 g / ha only in the clear weather condition.

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.

GROUNDNUT:

Harvesting of Groundnut should be done if 75-80 % of pods are fully matured. The important indication of maturity is yellowing of foliage and necrotic spotting of leaves and dropping of older leaves.

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

VEGETABLES: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties.

Raddish: Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin, **cabbage:** Golden acre, Pride of India etc. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmii, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxychloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

Animal husbandry: Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR BADAMBA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Monday) in the block. The day temperature will be 31-33°C and night temperature will be 18-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-95% and 40-56% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	32	32	33	33
T-Min(°C)	18	19	20	21	21
Cloud Cover(octa)	2	2	2	3	4
RH Max (%)	60	61	80	92	95
RH Min (%)	40	47	50	49	56
Wind Speed (Kmph)	9	8	6	6	7
Wind Direction (deg)	338	333	342	349	15

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice:

Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25% EC @ 2 ml/litre of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @ 400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptomycin @ 15 g / ha only in the clear weather condition.

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.

GROUNDNUT:

Harvesting of Groundnut should be done if 75-80 % of pods are fully matured. The important indication of maturity is yellowing of foliage and necrotic spotting of leaves and dropping of older leaves.

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

VEGETABLES: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties.

Raddish: Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin, **cabbage:** Golden acre, Pride of India etc. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxychloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

Animal husbandry: Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Monday) in the block. The day temperature will be 31-33°C and night temperature will be 18-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-95% and 39-57% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	32	32	33	33
T-Min(°C)	18	20	20	21	21
Cloud Cover(octa)	2	2	2	3	4
RH Max (%)	60	63	80	93	95
RH Min (%)	39	46	49	50	57
Wind Speed (Kmph)	9	8	7	8	8
Wind Direction (deg)	342	326	351	360	15

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice: Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25% EC @ 2ml/liter of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @ 400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptomycin @ 15 g / ha only in the clear weather condition.

Maize: The grain can be harvested in upcoming sunny days when cob-sheath turns brownish, grains become hard and they do not contain more than 30-percent moisture in them.

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.

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

VEGETABLES: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties. **Raddish:** Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin, **cabbage:** Golden acre, Pride of India etc. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxychloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

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Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week weather condition

The district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. **According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.**

Forecasted period: 30th October 2020 to 03rd November 2020

Weather Advisory: **No rainfall is forecasted for upcoming 4 days (Today to Sunday) and Very light to light rainfall is forecasted for Monday in the block.** The day temperature will be 31-33°C and night temperature will be 18-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-95% and 39-57% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	3
T-Max(°C)	31	32	32	33	33
T-Min(°C)	18	20	21	21	21
Cloud Cover(octa)	2	2	2	3	4
RH Max (%)	60	63	80	94	95
RH Min (%)	39	46	49	50	57
Wind Speed (Kmph)	9	8	7	8	8
Wind Direction (deg)	342	326	351	360	15

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.**

Kharif Rice: Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25% EC @ 2ml/liter of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @ 400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptomycin @ 15 g / ha only in the clear weather condition.

Maize: The grain can be harvested in upcoming sunny days when cob-sheath turns brownish, grains become hard and they do not contain more than 30-percent moisture in them.

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.

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

VEGETABLES: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties. **Raddish:** Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin, **cabbage:** Golden acre, Pride of India etc. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxychloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

Animal husbandry: Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week weather condition and Block past Rainfall condition

The block received 07 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. **According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.**

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 4 days (Today to Sunday) and Very light to light rainfall is forecasted for Monday in the block. The day temperature will be 32-33°C and night temperature will be 20-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-95% and 42-61% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	3
T-Max(°C)	32	32	32	33	33
T-Min(°C)	20	22	22	22	22
Cloud Cover	2	2	2	3	4
RH Max (%)	73	69	77	95	94
RH Min (%)	42	46	50	54	61
Wind Speed (Kmph)	8	7	9	10	10
Wind Direction (deg)	345	342	360	26	27

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice: Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25% EC @ 2ml/liter of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @ 400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptomycin @ 15 g / ha only in the clear weather condition.

Maize

The grain can be harvested in upcoming sunny days when cob-sheath turns brownish, grains become hard and they do not contain more than 30- percent moisture in them.

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.

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

VEGETABLES: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties.

Raddish: Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin, **cabbage:** Golden acre, Pride of India etc. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxychloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

Animal husbandry: Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR
District Past week weather condition and Block past Rainfall condition

The block received 04 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. **According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.**

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 4 days (Today to Sunday) and Very light to light rainfall is forecasted for Monday in the block. The day temperature will be 32-33°C and night temperature will be 20-22°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-94% and 41-59% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	4
T-Max(°C)	32	32	32	33	33
T-Min(°C)	20	22	22	22	22
Cloud Cover(octa)	2	2	2	3	4
RH Max (%)	72	69	75	94	94
RH Min (%)	41	45	49	53	59
Wind Speed (Kmph)	8	6	8	10	10
Wind Direction (deg)	360	342	345	34	23

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice:

Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25% EC @ 2ml/liter of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptocyclin @ 15 g / ha only in the clear weather condition.

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. For **Wilt disease**, drain out excess water and go for spot drenching with Carbendazim @ 1 g/l. If the incidence of disease is severe don't go for rationing. **Red rot** disease may occur at this stage of crop. Uproot and destroy the infested plant. Spray 400g carbendazim @2g/lit water per acre crop area.

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: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties. **Raddish:** Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin, **cabbage:** Golden acre, Pride of India etc. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxychloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

Animal husbandry: Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition and Block past Rainfall condition

The block received 12 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. **According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.**

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 4 days (Today to Sunday) and Very light to light rainfall is forecasted for Monday in the block. The day temperature will be 32-33°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 71-95% and 45-63% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	6
T-Max(°C)	32	32	32	33	33
T-Min(°C)	21	22	22	23	22
Cloud Cover(octa)	2	2	2	3	4
RH Max (%)	76	71	75	95	95
RH Min (%)	45	48	51	55	63
Wind Speed (Kmph)	9	8	10	11	11
Wind Direction (deg)	345	23	345	23	34

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice:

Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptocyclin @ 15 g / ha only in the clear weather condition.

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. For **Wilt disease**, drain out excess water and go for spot drenching with Carbendazim @ 1 g/l. If the incidence of disease is severe don't go for rationing. **Red rot** disease may occur at this stage of crop. Uproot and destroy the infested plant. Spray 400g carbendazim @2g/lit water per acre crop area.

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: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties. **Raddish:** Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin, **cabbage:** Golden acre, Pride of India etc. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxychloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

Animal husbandry:

Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week weather condition and Block past Rainfall condition

The block received 11 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. **According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.**

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 4 days (Today to Sunday) and Very light to light rainfall is forecasted for Monday in the block. The day temperature will be 31-33°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-93% and 45-62% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	5
T-Max(°C)	31	32	32	32	33
T-Min(°C)	21	22	22	23	23
Cloud Cover(octal)	2	2	2	3	4
RH Max (%)	76	72	72	93	93
RH Min (%)	45	46	49	55	62
Wind Speed (Kmph)	9	8	11	11	11
Wind Direction (deg)	345	11	351	34	34

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice:

Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptocyclin @ 15 g / ha only in the clear weather condition.

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. For **Wilt disease**, drain out excess water and go for spot drenching with Carbendazim @ 1 g/l. If the incidence of disease is severe don't go for rationing. **Red rot** disease may occur at this stage of crop. Uproot and destroy the infested plant. Spray 400g carbendazim @2g/lit water per acre crop area.

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: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties. **Raddish:** Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin, **cabbage:** Golden acre, Pride of India etc. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxychloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

Animal husbandry:

Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Monday) in the block. The day temperature will be 31-33°C and night temperature will be 17-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-96% and 38-56% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	32	33	33
T-Min(°C)	17	19	20	21	20
Cloud Cover(/octa)	2	2	2	3	4
RH Max (%)	60	61	78	89	96
RH Min (%)	38	47	49	48	56
Wind Speed (Kmph)	8	7	5	5	5
Wind Direction (deg)	339	336	341	345	15

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice: Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @ 400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptocyclin @ 15 g / ha only in the clear weather condition.

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.

GROUNDNUT: Harvesting of Groundnut should be done if 75-80 % of pods are fully matured. The important indication of maturity is yellowing of foliage and necrotic spotting of leaves and dropping of older leaves.

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

VEGETABLES: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties.

Raddish: Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxchloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

Animal husbandry: Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition and Block past Rainfall condition

The block received 8 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. **According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1October 2020 to 28October 2020), moderately wet condition was there.**

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 4 days (Today to Sunday) and Very light to light rainfall is forecasted for Monday in the block. The day temperature will be 31-32°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-95% and 46-64% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	7
T-Max(°C)	31	32	32	32	32
T-Min(°C)	21	22	22	23	22
Cloud Cover(octa)	2	2	2	3	4
RH Max (%)	77	72	74	95	95
RH Min (%)	46	49	52	56	64
Wind Speed(Kmph)	10	9	11	12	11
Wind Direction(deg)	345	360	351	23	32

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice:

Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptomycin @ 15 g / ha only in the clear weather condition.

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. For **Wilt disease**, drain out excess water and go for spot drenching with Carbendazim @ 1 g/l. If the incidence of disease is severe don't go for rationing. **Red rot** disease may occur at this stage of crop. Uproot and destroy the infested plant. Spray 400g carbendazim @2g/lit water per acre crop area.

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: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties. **Raddish:** Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin, **cabbage:** Golden acre, Pride of India etc. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxychloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

Animal husbandry:

Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI
District Past week weather condition and Block past Rainfall condition

The block received 12 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. **According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.**

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 4 days (Today to Sunday) and Very light to light rainfall is forecasted for Monday in the block. The day temperature will be 32-33°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-94% and 46-63% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	4
T-Max(°C)	32	32	32	32	33
T-Min(°C)	21	22	22	23	23
Cloud Cover(octa)	2	2	2	3	4
RH Max (%)	77	72	72	94	93
RH Min (%)	46	47	50	56	63
Wind Speed (Kmph)	9	8	11	11	11
Wind Direction (deg)	345	360	351	34	34

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice:

Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptomycin @ 15 g / ha only in the clear weather condition.

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. For **Wilt disease**, drain out excess water and go for spot drenching with Carbendazim @ 1 g/l. If the incidence of disease is severe don't go for rationing. **Red rot** disease may occur at this stage of crop. Uproot and destroy the infested plant. Spray 400g carbendazim @2g/lit water per acre crop area.

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: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties. **Raddish:** Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin, **cabbage:** Golden acre, Pride of India etc. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxychloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

Animal husbandry:

Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition and Block past Rainfall condition

The block received 06 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 4 days (Today to Sunday) and Very light to light rainfall is forecasted for Monday in the block. The day temperature will be 32-33°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-94% and 46-62% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	4
T-Max(°C)	32	32	32	32	33
T-Min(°C)	21	22	22	23	23
Cloud Cover(octa)	2	2	2	3	4
RH Max (%)	77	72	73	94	93
RH Min (%)	46	47	50	55	62
Wind Speed (Kmph)	9	8	10	11	11
Wind Direction (deg)	345	360	351	34	34

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice:

Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptomycin @ 15 g / ha only in the clear weather condition.

Maize: The grain can be harvested in upcoming sunny days when cob-sheath turns brownish, grains become hard and they do not contain more than 30-percent moisture in them.

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

VEGETABLES: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties.

Raddish: Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin, **cabbage:** Golden acre, Pride of India etc. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxychloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

Animal husbandry: Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

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Bulletin No.-137
Date- 29/10/2020

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

The block received 12 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. **According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.**

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 4 days (Today to Sunday) and Very light to light rainfall is forecasted for Monday in the block. The day temperature will be 31-32°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-92% and 51-68% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	3
T-Max(°C)	31	32	31	31	31
T-Min(°C)	23	24	24	25	25
Cloud Cover(octa)	2	2	2	3	4
RH Max (%)	78	73	73	92	90
RH Min (%)	51	55	55	63	68
Wind Speed (Kmph)	12	12	14	15	15
Wind Direction (deg)	11	360	11	26	45

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice:

Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @ 400ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptomycin @ 15 g / ha only in the clear weather condition.

Maize: The grain can be harvested in upcoming sunny days when cob-sheath turns brownish, grains become hard and they do not contain more than 30-percent moisture in them.

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

VEGETABLES: Go for early planting of cole crops like raddish, cabbage, cauliflower, beans, cluster bean and tomato. Grow the high yielding varieties.

Raddish: Pusa chetaki, Pusa Rashmi, and Pusa Himani, **Cauliflower:** Pusa Katki, and Pusa Deepali., Sada Bahar, Madhuri, Maharathi, Rashmi and navin, **cabbage:** Golden acre, Pride of India etc. It is now optimum time for nursery raising of tomato and brinjal. Grow **resistant varieties** like BT-2, BT-10, BT-12, Niladri, Sadabahar, Madhuri, Maharathi, Rasmi, Naveen, etc. Use 150-200 g seeds/acre. 100 sq. ft is sufficient for transplanting 1 acre. 5-7 leaf stage seedlings are right time for planting. For controlling **root rot and damping off at nursery stage**, drench the soil with Copper Oxchloride 50% WP @ 4 g/litre of water or Metalaxyl 8% + Mancozeb 64% @ 2 g/litre of water. Before sowing/transplanting of vegetables, in **termite prone areas** farmers are advised to spray Chlorpyrifos 20% EC @ 4 ml/litre of water on the soil during last ploughing. **Wilting in tomato** noticed in field, to control it drenching with Plantomycin @ 1 g and Carbendazim 50% WP @ 2 g/litre of water. **Shoot borer** reported 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.

Animal husbandry: Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr Sujata Sethy
(Nodal officer)



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Bulletin No.-137
Date- 29/10/2020

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 06 mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 21°C, respectively. Mean relative humidity of the district was around 84-77%. According to NDVI map (14.10.2020 to 20.10.2020) the agriculture vigor was moderate to good over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-1 October 2020 to 28 October 2020), moderately wet condition was there.

Forecasted period: 30th October 2020 to 03rd November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Monday) in the block. The day temperature will be 31-34°C and night temperature will be 18-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 62-95% and 39-57% respectively. There will be mainly clear to partly cloudy sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/10/2020	31/10/2020	01/11/2020	02/11/2020	03/11/2020
Rainfall(mm)	0	0	0	0	0
00T-Max(°C)	31	32	32	34	33
T-Min(°C)	18	20	20	21	21
Cloud Cover(octa)	2	2	2	3	4
RH Max (%)	62	63	80	93	95
RH Min (%)	39	46	49	49	57
Wind Speed (Kmph)	8	7	6	7	8
Wind Direction (deg)	336	328	351	360	349

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. Carry out spraying of insecticides or pesticides in crops during morning and afternoon hours. Keep watch on the infestation of gundhi bug and BPH in paddy. Complete nursery sowing for winter vegetable crops. Irrigate the vegetable nursery during morning and evening time. Go for sowing black gram and green gram in upland rice fallow condition.

Kharif Rice:

Paddy is at PI to flowering stage. In Early varieties if panicle turns 85% yellow and matured, then go for harvesting of the crop. Current weather favors the infestation of **Leaf Folder**. If observe in field then spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water in sunny days. 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. 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. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25% EC @ 2 ml/liter of water. Current temperate with high humidity may encourage **sheath blight disease**. Do not apply excess dose of nitrogenous fertilizer to avoid plant susceptibility to blast and sheath blight diseases. Go for application of Hexaconazole or Propiconazole @ 400 ml/acre in case of appearance of the disease. In the event of **bacterial leaf streak** i.e. when the leaves are brown and dry in paddy crop, use streptomycin @ 15 g / ha only in the clear weather condition.

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GROUNDNUT:

Harvesting of Groundnut should be done if 75-80 % of pods are fully matured. The important indication of maturity is yellowing of foliage and necrotic spotting of leaves and dropping of older leaves.

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

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