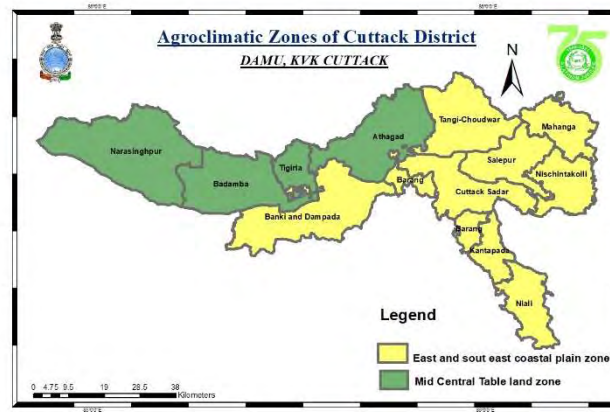


AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARD PRECIPITATION INDEX AND NDVI MAP

<p align="center">Standardised Precipitation Index for the period 8th October to 4th November 2020</p> <p align="center">MINISTRY OF EARTH SCIENCES INDIA METEOROLOGICAL DEPARTMENT HYDROMET SECTION, CRS PUNE</p> <p align="center">STANDARDIZED PRECIPITATION INDEX FOR THE PERIOD 08 OCT TO 04 NOV 2020</p> <p>SPI VALUES</p> <ul style="list-style-type: none"> 2.00 OR MORE EXTREMELY WET 1.50 TO 1.99 SEVERELY WET 1.00 TO 1.49 MODERATELY WET 0 TO 0.99 MILDLY WET 0 TO -0.99 MILDLY DRY -1.00 TO -1.49 MODERATELY DRY -1.50 TO -1.99 SEVERELY DRY -2.00 OR LESS EXTREMELY DRY NO DATA 	<p align="center">NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 44 (28.10.2020 to 03.11.2020) over Agricultural region</p> <p align="center">Odisha</p> <ul style="list-style-type: none"> -9999 - 0 0 - 0.05 0.05 - 0.1 0.1 - 0.15 0.15 - 0.2 0.2 - 0.25 0.25 - 0.3 0.3 - 0.35 0.35 - 0.4 0.4 - 0.45 0.45 - 0.5 0.5 - 0.55 0.55 - 0.6 > 0.6 <p align="right">Bare soil, rocks clouds, rain, snow, etc. Moderate Good Very good</p> <p align="center">Agriculture vigour is good over few places of the state.</p>
<p>As per SPI value (cumulative 4weeks -08 October 2020 to 04 November 2020), Mildly wet condition was there in Cuttack district.</p>	<p>According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district.</p>

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

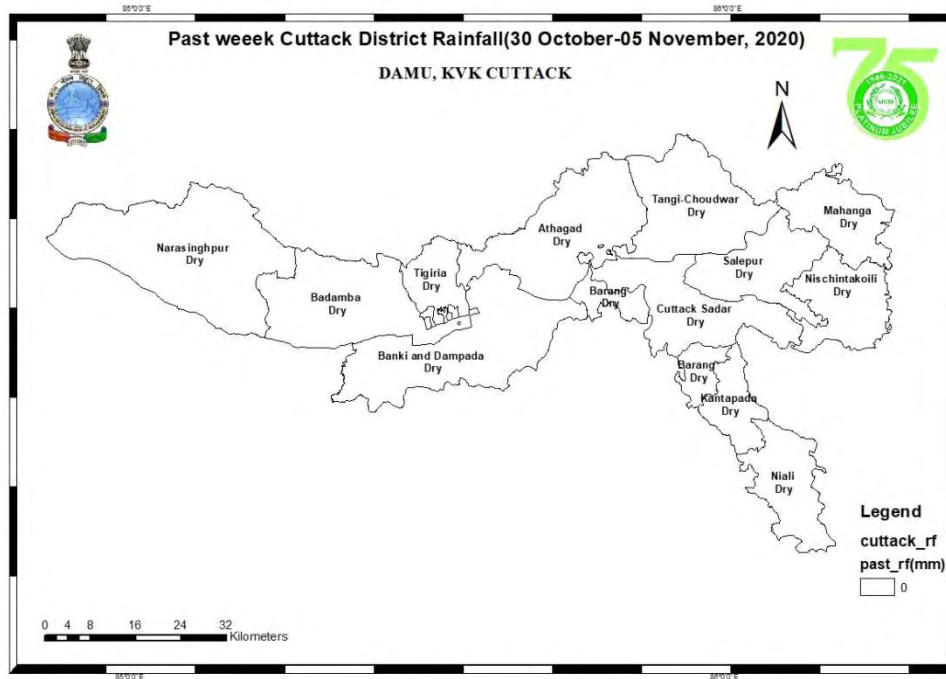




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Bulletin No.-139
Date- 06/11/2020



Extended range outlook for subsequent 1 week (6 th to 12 th days) (11 th to 17 th November 2020)		
Met Sub division	Departure (%)	Category
Odisha	-91.20	Below Normal

Dr Sujata Sethy
 (Nodal officer)







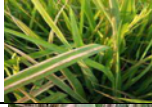







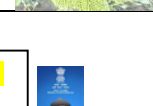


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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427

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  Gall midge  Hispa  False smut  Bacterial leaf Blight
2	Sugarcane	Grand growth stage to ripening	 Ring spot  Top borer  Woolly Aphid  Scale insect  White fly  Mealy bug
3	Vegetables(Brinjal and okra)	Vegetative to fruiting	 Fruit and shoot borer  YMV

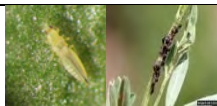







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	Chilli , Cowpea			Thrips in Chilli and Aphids in Cowpea
4	Fruit (Papaya)	Flowering stage to fruit formation stage		Foot rot
	Banana	Flowering stage to fruit formation stage		Sigatoka disease
	Cashew	Vegetative stage		Tea mosquito bug

Dr Sujata Sethy
 (Nodal officer)



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Bulletin No.-139
Date- 06/11/2020

AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08 October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-32°C and night temperature will be 16-19°C for upcoming 5 days. Maximum and minimum relative humidity will be 62-80% and 34-43% respectively. There will be mainly clear sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	32	31	30	30	30
T-Min (°C)	19	17	16	16	19
Cloud Cover (octa)	0	0	0	0	1
RH Max (%)	73	67	62	70	80
RH Min (%)	43	34	34	34	40
Wind Speed (kmph)	6	6	7	6	8
Wind Direction (deg)	15	23	338	360	64

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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice:

Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyrifos @ 2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25% EC @ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @ 1g/L or Streptomycin 0.1g/L + COC 3g/L.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water. **Fruits:** **Banana:** Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2-3 times in 25 days interval. **Papaya:** Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lambda cyhalothrin @ 0.6ml/l 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.-139
Date- 06/11/2020

AGROMET ADVISORY BULLETIN FOR BADAMBA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08 October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-32°C and night temperature will be 15-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-79% and 33-43% respectively. There will be mainly clear sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	32	31	30	30	30
T-Min (°C)	18	16	15	16	18
Cloud Cover (octa)	0	0	0	0	1
RH Max (%)	74	67	61	67	79
RH Min (%)	43	34	33	34	36
Wind Speed (Kmph)	5	6	7	6	7
Wind Direction (deg)	360	345	342	347	341

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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice:

Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyrifos @ 2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25% EC @ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @ 1g/L or Streptomycin 0.1g/L + COC 3g/L.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water. **Fruits:** **Banana:** Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2-3 times in 25 days interval. **Papaya:** Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lambda cyhalothrin @ 0.6ml/l 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.-139
Date- 06/11/2020

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08 October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-32°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-81% and 33-43% respectively. There will be mainly clear sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	32	31	30	30	30
T-Min (°C)	18	17	16	16	18
Cloud Cover (octa)	0	0	0	0	1
RH Max (%)	72	69	61	68	81
RH Min (%)	43	34	33	34	38
Wind Speed (Kmph)	6	7	7	7	8
Wind Direction (deg)	349	23	340	351	56

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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice:

Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyrifos @ 2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25% EC @ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @ 1g/L or Streptomycin 0.1g/L + COC 3g/L.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water. **Fruits:** **Banana:** Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2-3 times in 25 days interval. **Papaya:** Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lambda cyhalothrin @ 0.6ml/l 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.-139
Date- 06/11/2020

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather Advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-32°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-81% and 33-43% respectively. There will be mainly clear sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	32	31	30	30	30
T-Min(°C)	18	17	16	16	18
Cloud Cover(octa)	0	0	0	0	1
RH Max (%)	71	68	61	69	81
RH Min (%)	43	34	33	34	38
Wind Speed (Kmph)	6	7	7	7	8
Wind Direction (deg)	349	23	340	351	56

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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice: Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyrifos @2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @1g/L or Streptocyclin 0.1g/L + COC 3g/L.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @600ml/acre at initial stages. Later ongo for alternate spray of Spinosad 45% SC @70ml/acre and Thiodicarb@300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water. **Fruits: Banana:** Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2-3 times in 25 days interval. **Papaya:** Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lambda cyhalothrin @ 0.6ml/l 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.-139
Date- 06/11/2020

AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08 October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-32°C and night temperature will be 17-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 64-78% and 33-44% respectively. There will be mainly clear sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	32	31	30	30	30
T-Min (°C)	19	18	17	17	20
Cloud Cover	0	0	0	0	1
RH Max (%)	68	65	64	69	78
RH Min (%)	42	36	33	35	44
Wind Speed (Kmph)	7	8	8	8	10
Wind Direction (deg)	56	360	345	23	54

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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Khari Rice:

Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyriphos 20EC @ 500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25% EC @ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @ 1g/L or Streptomycin 0.1g/L + COC 3g/L.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water. **Fruits:** **Banana:** Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2-3 times in 25 days interval. **Papaya:** Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lambda cyhalothrin @ 0.6ml/l 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.-139
Date- 06/11/2020

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08 October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-31°C and night temperature will be 18-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-77% and 32-43% respectively. There will be mainly clear sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	30	30	30
T-Min(°C)	19	18	18	18	20
Cloud Cover(octa)	0	0	0	0	1
RH Max (%)	70	65	63	69	77
RH Min (%)	42	35	32	34	43
Wind Speed (Kmph)	7	7	7	7	10
Wind Direction (deg)	56	360	351	360	54

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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice: Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyriphos 20EC @ 500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @ 1g/L or Streptocyclin 0.1g/L + COC 3g/L.

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 borers** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, 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.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water. **Fruits:** **Banana:** Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2-3 times in 25 days interval. **Papaya:** Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lamdacyhalothrin @ 0.6ml/l 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.-139
Date- 06/11/2020

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08 October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-31°C and night temperature will be 18-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 64-76% and 34-45% respectively. There will be mainly clear sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	30	30	30
T-Min(°C)	20	18	18	18	20
Cloud Cover(octa)	0	0	0	0	1
RH Max (%)	68	64	65	68	76
RH Min (%)	42	37	34	35	45
Wind Speed (Kmph)	8	9	9	9	11
Wind Direction (deg)	60	23	345	360	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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice: Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyriphos 20EC @ 500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @ 1g/L or Streptocyclin 0.1g/L + COC 3g/L.

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 borers** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water. For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, 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.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water. **Fruits: Banana:** Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. **Papaya:** Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lambda cyhalothrin @ 0.6ml/l 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.-139
Date- 06/11/2020

AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08 October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-31°C and night temperature will be 18-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-75% and 32-45% respectively. There will be mainly clear sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	30	30	30	30
T-Min(°C)	19	18	18	18	20
Cloud Cover(octal)	0	0	0	0	1
RH Max (%)	67	63	63	66	75
RH Min (%)	42	37	32	34	45
Wind Speed (Kmph)	8	9	8	9	11
Wind Direction (deg)	60	360	345	360	54

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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice: Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyriphos 20EC @ 500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @ 1g/L or Streptocyclin 0.1g/L + COC 3g/L.

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 borers** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water. For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, 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.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @ 600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @ 70ml/acre and Thiodicarb @ 300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water. **Fruits: Banana:** Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. **Papaya:** Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lambda cyhalothrin @ 0.6ml/l 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.-139
Date- 06/11/2020

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

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08 October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 29-32°C and night temperature will be 14-17°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-78% and 32-43% respectively. There will be mainly clear sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	32	31	30	29	30
T-Min(°C)	17	15	14	15	17
Cloud Cover(/octa)	0	0	0	0	1
RH Max (%)	78	66	60	64	76
RH Min (%)	43	34	33	32	34
Wind Speed (Kmph)	4	5	6	6	5
Wind Direction (deg)	68	360	347	9	351

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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice:

Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyrifos @2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @1g/L or Streptomycin 0.1g/L + COC 3g/L.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @70ml/acre and Thiodicarb@300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water. **Fruits:** **Banana:** Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifloxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. **Papaya:** Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lambda cyhalothrin @ 0.6ml/l 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.-139
Date- 06/11/2020

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08 October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-31°C and night temperature will be 17-20°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-77% and 35-47% respectively. There will be mainly clear sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	31	30	30	30
T-Min(°C)	19	18	18	17	20
Cloud Cover(octa)	0	0	0	0	2
RH Max (%)	68	65	67	70	77
RH Min (%)	41	38	35	36	47
Wind Speed(Kmph)	9	10	10	10	12
Wind Direction(deg)	60	23	345	360	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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice: Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chlorpyrifos @2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC@ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @1g/L or Streptocyclin 0.1g/L + COC 3g/L.

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) Carbenazim @ 1g/l (or) Mancozeb @3g/l for three times once in three weeks. To control **top shoot borers** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water. For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, 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.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @600ml/acre at initial stages. Later ongo for alternate spray of Spinosad 45% SC @70ml/acre and Thiodicarb@300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water.

Fruits: Banana: Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval.

Papaya: Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lamdacyhalothrin @ 0.6ml/l 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.-139
Date- 06/11/2020

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08 October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-31°C and night temperature will be 18-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-75% and 33-46% respectively. There will be mainly clear sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	30	30	30	30
T-Min(°C)	19	18	18	18	21
Cloud Cover(octa)	0	0	0	0	1
RH Max (%)	67	63	65	67	75
RH Min (%)	43	37	33	35	46
Wind Speed (Kmph)	8	9	9	9	11
Wind Direction (deg)	60	18	345	360	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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice: Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyriphos 20EC @500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC @ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @1g/L or Streptocyclin 0.1g/L + COC 3g/L.

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 borers** spray Chlorantraniliprole 18.5% SC @ 3 ml/10 litre of water or Fipronil 5% SC @ 2 ml/litre of water For control of Sucking pest in sugarcane like **Woolly aphid, Whitefly, Scale insects, 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.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @70ml/acre and Thiodicarb @300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water. **Fruits:** **Banana:** Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval. **Papaya:** Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lambda cyhalothrin @ 0.6ml/l 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.-139
Date- 06/11/2020

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08 October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-31°C and night temperature will be 18-21°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-75% and 34-45% respectively. There will be mainly clear sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	30	30	30	30
T-Min(°C)	20	18	18	18	21
Cloud Cover(octa)	0	0	0	0	1
RH Max (%)	67	63	64	67	75
RH Min (%)	42	37	34	35	45
Wind Speed (Kmph)	8	9	8	9	11
Wind Direction (deg)	60	18	345	360	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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice:

Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyrifos @2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC@ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @1g/L or Streptocyclin 0.1g/L + COC 3g/L.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45% SC @70ml/acre and Thiodicarb@300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water. **Fruits: Banana:** Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval.

Papaya: Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lambda cyhalothrin @ 0.6ml/l of water.

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

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GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
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Bulletin No.-139
Date- 06/11/2020

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 29-31°C and night temperature will be 19-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 64-79% and 39-52% respectively. There will be mainly clear sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	31	30	29	29	30
T-Min(°C)	21	20	19	19	23
Cloud Cover(octa)	0	0	0	0	2
RH Max (%)	70	64	65	70	79
RH Min (%)	45	43	39	42	52
Wind Speed (Kmph)	12	14	14	13	15
Wind Direction (deg)	65	45	23	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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice:

Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyrifos @2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC@ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To controll, go for spraying of plantomycin @1g/L or Streptocyclin 0.1g/L + COC 3g/L.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @600ml/acre at initial stages. Later ongo for alternate spray of Spinosad 45% SC @70ml/acre and Thiodicarb@300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water.

Fruits: Banana: Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval.

Papaya: Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lamdacyhalothrin @ 0.6ml/l 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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AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 21°C, respectively. Mean relative humidity of the district was around 70-66%. **According to NDVI map (28.10.2020 to 03.11.2020) the agriculture vigor was light to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-08 October 2020 to 04 November 2020), moderately wet condition was there.**

Forecasted period: 07th November 2020 to 11th November 2020

Weather advisory: No rainfall is forecasted for upcoming 5 days (Today to Tuesday) in the block. The day temperature will be 30-32°C and night temperature will be 16-18°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-80% and 34-43% respectively. There will be mainly clear sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	07/11/2020	08/11/2020	09/11/2020	10/11/2020	11/11/2020
Rainfall(mm)	0	0	0	0	0
00T-Max(°C)	32	31	30	30	30
T-Min(°C)	18	16	16	16	18
Cloud Cover(octa)	0	0	0	0	1
RH Max (%)	74	68	61	70	80
RH Min (%)	43	34	34	35	38
Wind Speed (Kmph)	5	6	7	6	7
Wind Direction (deg)	23	345	340	23	68

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. Complete nursery sowing for winter vegetable crops. They should cover the nursery beds with polythene in night to protect it from cold temperature. Irrigate the vegetable nursery during morning and evening time as below normal rainfall likely to occur in Odisha in upcoming week. Go for sowing black gram and green gram in upland rice fallow condition by utilizing residual soil moisture.

Kharif Rice:

Paddy is at flowering to milking 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. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyrifos @2.5ml (or) profenophos @ 2ml /l. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @500ml/acre to manage the pest. For prevention of **false smut** spray the field before panicle initiation or flowering with propiconazole 25%EC@ 2ml/liter of water. Present weather conditions are favourable for incidence of **Bacterial leaf blight**. To control, go for spraying of plantomycin @1g/L or Streptocyclin 0.1g/L + COC 3g/L.

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. To control **Fruit and shoot borer** in Brinjal and Okra, Spray Neem based pesticide 1500ppm @600ml/acre at initial stages. Later ongo for alternate spray of Spinosad 45% SC @70ml/acre and Thiodicarb@300g/acre at 15 days interval in 200 litre of water. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea** crop, spray Imidacloprid @ 5 ml in 10 litres of water. **Fruits: Banana:** Present weather conditions are favourable for the incidence and spread of **sigatoka leaf spot** disease. To curb the spread of this disease, go for spraying of propiconazole @ 0.1% (or) tebuconazole + trifoxystrobin @ 1ml per litre for 2 -3 times in 25 days interval.

Papaya: Present weather conditions are favourable for the incidence of **foot rot** in Papaya. To control go for soil drenching around the base of the stem with Metalaxyl @ 2g/L. **Cashewnut:** Present weather conditions are favourable for the incidence of **tea mosquito bug**. To control go for spraying of Imidacloprid @ 5 ml in 10 litres of water at the time of sprouting. At the time of flowering, go for spraying of lamdacyhalothrin @ 0.6ml/l of water.

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