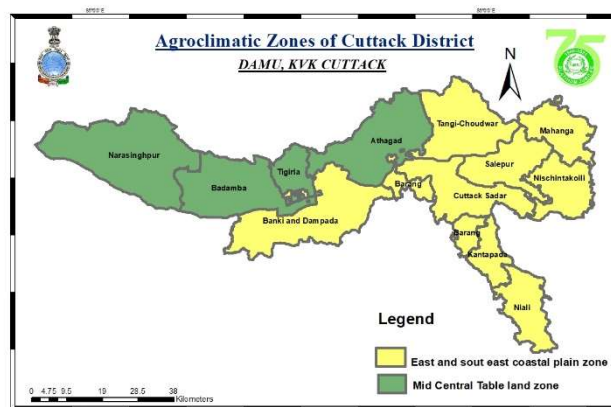


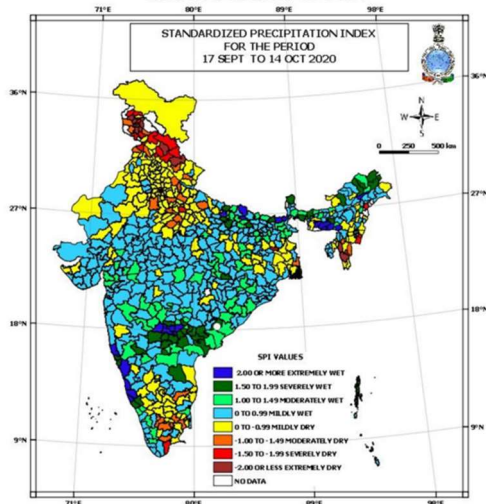
AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARD PRECIPITATION INDEX AND NDVI MAP

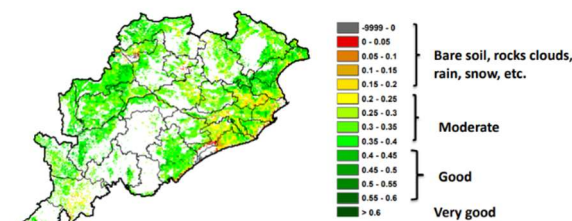
Standardised Precipitation Index
for the period 17th September to 14th October 2020

MINISTRY OF EARTH SCIENCES
INDIA METEOROLOGICAL DEPARTMENT
HYDROMET SECTION, CRS PUNE



NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 41
(07.10.2020 to 13.10.2020) over Agricultural region

Odisha



Agriculture vigour is good over few places of the state.

Source: <https://www.star.nesdis.noaa.gov>

As per SPI value (cumulative 4weeks - 17September 2020 to 14October 2020), Mildlywetcondition was there in Cuttack district.

According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district.

LEGEND(Medium range block level rainfall forecast)

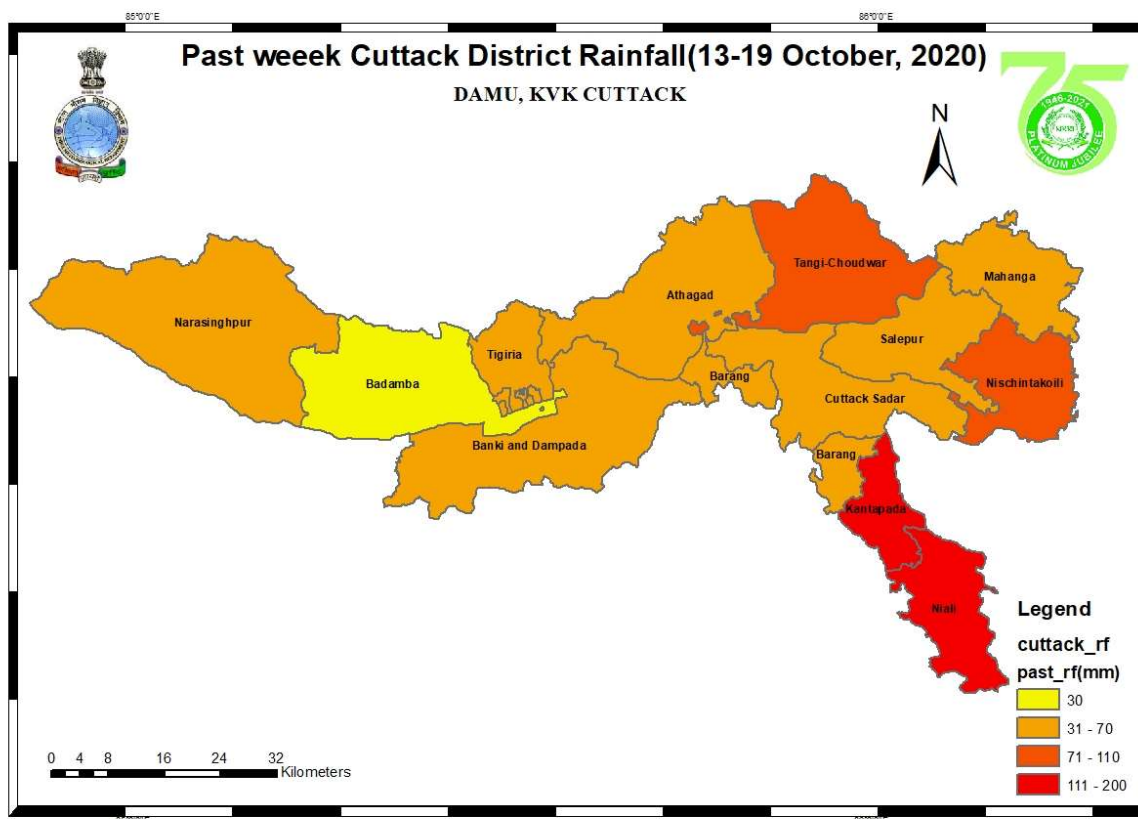
	Very light to light rainfall
	Light to moderate rainfall
	Moderate to heavy rainfall
	Heavy rainfall
	Very heavy rainfall
	Extremely heavy rainfall



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Bulletin No.-134
Date- 20/10/2020



Mrs. Sujata Sethy
(Nodal officer)



















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APP for Lightening alert in your area**



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

Anticipated Weather based Disease and pest in Major Crops and vegetables

SI No	Crop	Stage and condition of the crop	Anticipated Disease and pest
1	Rice	Panicle initiation to Flowering stage	 Yellow stem borer
			 BPH
			 Swarming Catterpillar
			 Blast
			 Sheath Blight
			 Bacterial leaf blight
2	Sugarcane	Grand growth stage to cane development stag	 Ring spot
			 wilt
			 Red rot
3	Maize	Cob development stage	 Leaf Blight
			 Stem borer
			 Aphid
4	Vegetables	Nursery Stage	 Damping Off
		Vegetative to fruiting	 Bacterial Wilt
			 Downy mildew
			 sucking pest



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Bulletin No.-134
Date- 20/10/2020

AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition and Block past Rainfall condition

The block received 57 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. **According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17September 2020 to 14October 2020), mildly wet condition was there.**

Forecasted period: 21st October 2020 to 25th October 2020

Weather advisory: Very light to light rainfall is forecasted for today, tomorrow, Saturday and moderate rainfall is forecasted for Thursday and Friday in the block. The day temperature will be 32-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-94% and 62-74% respectively. There will be overcast sky for next 5 days.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall (mm)	5	9	21	11	4
T-Max (°C)	34	33	32	32	32
T-Min (°C)	25	25	25	25	26
Cloud Cover (octa)	7	8	8	8	8
RH Max (%)	90	93	94	88	88
RH Min (%)	62	64	74	69	65
Wind Speed (kmph)	10	13	9	10	5
Wind Direction (deg)	34	360	360	336	11

Agromet Advisory

General Advisory: Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.

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. Spray 2% salt solution to avoid germination of matured grains. If **yellow stem borer** found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of **swarming caterpillar**, spray Chloropyrifos 20EC 2.5 ml/ liter on the rice field bunds. Present weather may cause **blast** in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of **bacterial leaf blight** in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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:

In groundnut complete hoeing and weeding followed by earthing up before flowering. 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.

VEGETABLES:

The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of **damping off disease in vegetable nursery** due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. 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 **Chilli, thrips** may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In **cowpea for Rust**, Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. **Sucking pests like aphids, Jassids, and whiteflies in okra** due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry:

Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Mrs. Sujata Sethy
(Nodal officer)



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Bulletin No.-134
Date- 20/10/2020

AGROMET ADVISORY BULLETIN FOR BADAMBA

District Past week weather condition and Block past Rainfall condition

The block received 30 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. **According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17September 2020 to 14October 2020), mildly wet condition was there.**

Forecasted period: 21st October 2020 to 25th October 2020

Weather advisory: Moderate rainfall is forecasted for Thursday and Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 32-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-95% and 66-76% respectively. There will be overcast sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	5	9	20	10	7
T-Max(°C)	34	34	32	32	32
T-Min(°C)	26	26	26	25	27
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	92	94	95	89	86
RH Min (%)	66	66	76	69	67
Wind Speed (Kmph)	8	11	9	10	5
Wind Direction (deg)	360	360	15	336	330

Agromet Advisory

General Advisory Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.

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. Spray 2% salt solution to avoid germination of matured grains. If **yellow stem borer** found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of **swarming caterpillar**, spray Chloropyrifos 20EC 2.5 ml/ liter on the rice field bunds. Present weather may cause **blast** in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of **bacterial leaf blight** in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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:

In groundnut complete hoeing and weeding followed by earthing up before flowering. 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.

VEGETABLES:

The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of **damping off disease in vegetable nursery** due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxchloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd** from **leaf spot, Stem rot & Downy mildew diseases**. 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 **Chilli, thrips** may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In **cowpea for Rust**, Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. **Sucking pests like aphids, Jassids, and whiteflies in okra** due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry:

Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Mrs. Sujata Sethy
(Nodal officer)



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Bulletin No.-134
Date- 20/10/2020

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week weather condition and Block past Rainfall condition

The block received 53 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17 September 2020 to 14 October 2020), mildly wet condition was there.

Forecasted period: 21st October 2020 to 25th October 2020

Weather advisory: Moderate rainfall is forecasted for Thursday, Friday and Very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 32-35°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-94% and 62-75% respectively. There will be overcast sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	6	10	22	12	3
T-Max(°C)	35	34	32	32	32
T-Min(°C)	26	26	26	25	27
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	91	93	94	88	86
RH Min (%)	62	65	75	68	65
Wind Speed (Kmph)	10	12	9	10	5
Wind Direction (deg)	45	360	360	336	360

Agromet Advisory

General Advisory: Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.

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. Spray 2% salt solution to avoid germination of matured grains. If **yellow stem borer** found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of **swarming caterpillar**, spray Chloropyrifos 20EC 2.5 ml/ liter on the rice field bunds. Present weather may cause **blast** in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of **bacterial leaf blight** in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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.

Maize Stem borer may attack the crop at this stage. Spray 80ml chlorantraniliprole 18.5 SC or 60ml flubendiamide 39.35 SC per acre crop area mixing with 200lit of water. There may be **aphids** incidence in maize due to high humidity and cloudy condition, if observe spray Dimethoate 30% EC @ 2 ml/ litre of water in sunny days. If **leaf Blight** disease found in maize crop, to manage this disease Spray Mancozeb 75 % WP @ 400-gram/200 litre or Carbendazim 12 % + Mancozeb 63 % WP @ 400-gram/200 litre of water. At 30 days age apply 40 kg urea / ac as second dose of nitrogen.

VEGETABLES: The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of **damping off disease in vegetable nursery** due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxchloride in 10 litre water to prevent **wilting** in vegetables Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. 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 **Chilli, thrips** may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In **cowpea for Rust** Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. **Sucking pests like aphids, Jassids, and whiteflies in okra** due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not be to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

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(Nodal officer)



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Bulletin No.-134
Date- 20/10/2020

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week weather condition

The district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. **According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17September 2020 to 14October 2020), mildly wet condition was there.**

Forecasted period: 21st October 2020 to 25th October 2020

Weather Advisory: **Moderate rainfall is forecasted for Thursday, Friday and Very light to light rainfall is forecasted for other 3 days in the block.** The day temperature will be 32-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-95% and 62-75% respectively. There will be overcast sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	7	9	23	12	5
T-Max(°C)	34	33	32	32	32
T-Min(°C)	26	26	26	25	27
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	91	93	95	88	86
RH Min (%)	62	65	75	69	65
Wind Speed (Kmph)	10	12	9	10	5
Wind Direction (deg)	45	360	360	336	345

Agromet Advisory

General Adviosry: **Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.**

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. Spray 2% salt solution to avoid germination of matured grains. If **yellow stem borer** found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of **swarming caterpillar**, spray Chloropyriphos 20EC 2.5 ml/ liter on the rice field bunds. Present weather may cause **blast** in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of **bacterial leaf blight** in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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.

Maize Stem borer may attack the crop at this stage. Spray 80ml chlorantraniliprole 18.5 SC or 60ml flubendiamide 39.35 SC per acre crop area mixing with 200lit of water. There may be **aphids** incidence in maize due to high humidity and cloudy condition, if observe spray Dimethoate 30% EC @ 2 ml/ litre of water in sunny days. If **leaf Blight** disease found in maize crop , to manage this disease Spray Mancozeb 75 % WP @ 400-gram/200 litre or Carbendazim 12 % + Mancozeb 63 % WP @ 400-gram/200 litre of water. At 30 days age apply 40 kg urea / ac as second dose of nitrogen.

VEGETABLES: The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of **damping off disease in vegetable nursery** due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. 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 **Chilli, thrips** may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In **cowpea for Rust**- Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. **Sucking pests like aphids, Jassids, and whiteflies in okra** due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

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Bulletin No.-134
Date- 20/10/2020

AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week weather condition and Block past Rainfall condition

The block received 56 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. **According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17September 2020 to 14October 2020), mildly wet condition was there.**

Forecasted period: 21st October 2020 to 25th October 2020

Weather advisory: **Moderate rainfall is forecasted for Wednesday to Friday and Very light to light rainfall is forecasted for other 2 days in the block.** The day temperature will be 31-34°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-95% and 61-73% respectively. There will be overcast sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	7	12	23	14	5
T-Max(°C)	34	32	31	31	32
T-Min(°C)	25	25	25	24	26
Cloud Cover	7	8	8	8	8
RH Max (%)	91	93	95	88	91
RH Min (%)	61	68	73	70	63
Wind Speed (Kmph)	13	14	10	9	6
Wind Direction (deg)	32	360	342	338	330

Agromet Advisory

General Advisory: **Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.**

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. Spray 2% salt solution to avoid germination of matured grains. If **yellow stem borer** found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of **swarming caterpillar**, spray Chloropyriphos 20EC 2.5 ml/ liter on the rice field bunds. Present weather may cause **blast** in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of **bacterial leaf blight** in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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.

Maize **Stem borer** may attack the crop at this stage. Spray 80ml chlorantraniliprole 18.5 SC or 60ml flubendiamide 39.35 SC per acre crop area mixing with 200lit of water. There may be **aphids** incidence in maize due to high humidity and cloudy condition, if observe spray Dimethoate 30% EC @ 2 ml/ litre of water in sunny days. If **leaf Blight** disease found in maize crop, to manage this disease Spray Mancozeb 75 % WP @ 400-gram/200 litre or Carbendazim 12 % + Mancozeb 63 % WP @ 400-gram/200 litre of water. At 30 days age apply 40 kg urea / ac as second dose of nitrogen.

VEGETABLES: The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of **damping off disease in vegetable nursery** due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd** from **leaf spot, Stem rot & Downy mildew diseases**. 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 **Chilli, thrips** may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In **cowpea for Rust** Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. **Sucking pests like aphids, Jassids, and whiteflies in okra** due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Mrs. Sujata Sethy
(Nodal officer)



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Bulletin No.-134
Date- 20/10/2020

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

The block received 43 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17September 2020 to 14October 2020), mildly wet condition was there.

Forecasted period: 21st October 2020 to 25th October 2020

Weather advisory: Moderate rainfall is forecasted for Wednesday to Friday and Very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 32-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-94% and 61-71% respectively. There will be overcast sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	5	11	23	14	3
T-Max(°C)	34	33	32	32	32
T-Min(°C)	25	25	26	25	26
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	90	93	94	87	91
RH Min (%)	61	65	71	68	63
Wind Speed (Kmph)	12	14	10	9	6
Wind Direction (deg)	32	56	360	338	338

Agromet Advisory

General Advisory: Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.

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. Spray 2% salt solution to avoid germination of matured grains. If yellow stem borer found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of swarming caterpillar, spray Chloropyrifos 20EC 2.5 ml/ liter on the rice field bunds. Present weather may cause blast in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of bacterial leaf blight in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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.

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.

VEGETABLES: The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of damping off disease in vegetable nursery due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent wilting in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases. 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 Chilli, thrips may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In cowpea for Rust- Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. Sucking pests like aphids, Jassids, and whiteflies in okra due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry:

Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Mrs. Sujata Sethy
(Nodal officer)



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Bulletin No.-134
Date- 20/10/2020

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition and Block past Rainfall condition

The block received 112 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17 September 2020 to 14 October 2020), mildly wet condition was there.

Forecasted period: 21st October 2020 to 25th October 2020

Weather advisory: Moderate rainfall is forecasted for Wednesday to Friday and Very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 31-34°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-96% and 60-73% respectively. There will be overcast sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	5	13	25	18	3
T-Max(°C)	34	32	32	31	32
T-Min(°C)	26	25	25	24	26
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	91	94	96	89	91
RH Min (%)	60	72	73	71	63
Wind Speed (Kmph)	13	14	11	8	6
Wind Direction (deg)	26	11	338	338	165

Agromet Advisory

General Advisory: Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.

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. Spray 2% salt solution to avoid germination of matured grains. If yellow stem borer found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of swarming caterpillar, spray Chloropyrifos 20EC 2.5 ml/ liter on the rice field bunds. Present weather may cause blast in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of bacterial leaf blight in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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.

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.

VEGETABLES: The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of damping off disease in vegetable nursery due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent wilting in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases. 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 Chilli, thrips may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In cowpea for Rust- Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. Sucking pests like aphids, Jassids, and whiteflies in okra due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry:

Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Mrs. Sujata Sethy
(Nodal officer)



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Bulletin No.-134
Date- 20/10/2020

AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week weather condition and Block past Rainfall condition

The block received 122 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17 September 2020 to 14 October 2020), mildly wet condition was there.

Forecasted period: 21st October 2020 to 25th October 2020

Weather advisory: Moderate rainfall is forecasted for Wednesday to Friday and Very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 31-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-94% and 60-71% respectively. There will be overcast sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	6	13	24	17	3
T-Max(°C)	34	32	32	31	32
T-Min(°C)	26	25	25	25	27
Cloud Cover(octal)	7	8	8	8	8
RH Max (%)	87	93	94	89	91
RH Min (%)	60	67	71	69	63
Wind Speed (Kmph)	14	15	12	6	6
Wind Direction (deg)	32	34	351	336	68

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.

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. Spray 2% salt solution to avoid germination of matured grains. If yellow stem borer found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of swarming caterpillar, spray Chloropyrifos 20EC 2.5 ml/ liter on the rice field bunds. Present weather may cause blast in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of bacterial leaf blight in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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.

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.

VEGETABLES: The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of damping off disease in vegetable nursery due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent wilting in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases. 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 Chilli, thrips may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In cowpea for Rust- Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. Sucking pests like aphids, Jassids, and whiteflies in okra due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry:

Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding

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Bulletin No.-134
Date- 20/10/2020

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

The block received 45 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17September 2020 to 14October 2020), mildly wet condition was there.

Forecasted period: 21st October 2020 to 25th October 2020

Weather advisory: Moderate rainfall is forecasted for Thursday and Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 33-35°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-95% and 64-77% respectively. There will be overcast sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	8	9	18	10	3
T-Max(°C)	35	34	33	33	33
T-Min(°C)	27	27	26	26	27
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	94	95	95	89	88
RH Min (%)	65	64	77	68	66
Wind Speed (Kmph)	6	8	9	8	4
Wind Direction (deg)	360	23	338	338	338

Agromet Advisory

General Advisory: Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.

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. Spray 2% salt solution to avoid germination of matured grains. If **yellow stem borer** found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of **swarming caterpillar**, spray Chloropyrifos 20EC 2.5 ml/ liter on the rice field bunds. Present weather may cause **blast** in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of **bacterial leaf blight** in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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.

Maize Stem borer may attack the crop at this stage. Spray 80ml chlorantraniliprole 18.5 SC or 60ml flubendiamide 39.35 SC per acre crop area mixing with 200lit of water. There may be **aphids** incidence in maize due to high humidity and cloudy condition, if observe spray Dimethoate 30% EC @ 2 ml/ litre of water in sunny days. If **leaf Blight** disease found in maize crop, to manage this disease Spray Mancozeb 75 % WP @ 400-gram/200 litre or Carbendazim 12 % + Mancozeb 63 % WP @ 400-gram/200 litre of water. At 30 days age apply 40 kg urea / ac as second dose of nitrogen.

VEGETABLES: The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of **damping off disease in vegetable nursery** due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 litre water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. 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 **Chilli, thrips** may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In **cowpea for Rust** Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. **Sucking pests like aphids, Jassids, and whiteflies in okra** due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Mrs. Sujata Sethy
(Nodal officer)



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Bulletin No.-134
Date- 20/10/2020

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition and Block past Rainfall condition

The block received 114 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. **According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17 September 2020 to 14 October 2020), mildly wet condition was there.**

Forecasted period: 21st October 2020 to 25th October 2020

Weather advisory: Moderate rainfall is forecasted for Wednesday to Friday and Very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 31-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-96% and 59-73% respectively. There will be overcast sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	6	11	24	16	4
T-Max(°C)	34	31	32	31	32
T-Min(°C)	26	25	25	25	27
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	92	94	96	90	90
RH Min (%)	59	73	73	71	64
Wind Speed(Kmph)	14	14	11	7	6
Wind Direction(deg)	26	11	342	333	180

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.

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. Spray 2% salt solution to avoid germination of matured grains. If **yellow stem borer** found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of **swarming caterpillar**, spray Chloropyrifos 20EC 2.5 ml/ litre on the rice field bunds. Present weather may cause **blast** in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of **bacterial leaf blight** in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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.

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.

VEGETABLES: The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of **damping off disease in vegetable nursery** due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. 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 **Chilli, thrips** may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In **cowpea for Rust**- Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. **Sucking pests like aphids, Jassids, and whiteflies in okra** due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry:

Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Mrs. Sujata Sethy
(Nodal officer)



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Bulletin No.-134
Date- 20/10/2020

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week weather condition and Block past Rainfall condition

The block received 93 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. **According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17September 2020 to 14October 2020), mildly wet condition was there.**

Forecasted period: 21st October 2020 to 25th October 2020

Weatheradvisory: **Moderate rainfall is forecasted for Wednesday to Friday and Very light to light rainfall is forecasted for other 2 days in the block.** The day temperature will be 31-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-95% and 60-72% respectively. There will be overcast sky for next 5days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	6	11	25	16	3
T-Max(°C)	34	32	32	31	32
T-Min(°C)	26	25	25	25	27
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	88	93	95	90	92
RH Min (%)	60	70	72	68	63
Wind Speed (Kmph)	14	15	12	6	6
Wind Direction (deg)	32	26	351	336	68

Agromet Advisory

General Adviosry: **Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.**

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. Spray 2% salt solution to avoid germination of matured grains. If **yellow stem borer** found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of **swarming caterpillar**, spray Chloropyriphos 20EC 2.5 ml/ liter on the rice field bunds. Present weather may cause **blast** in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of **bacterial leaf blight** in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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.

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.

VEGETABLES: The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of **damping off disease in vegetable nursery** due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. 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 **Chilli, thrips** may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In **cowpea for Rust**- Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. **Sucking pests like aphids, Jassids, and whiteflies in okra** due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry:

Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Mrs. Sujata Sethy
(Nodal officer)



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Bulletin No.-134
Date- 20/10/2020

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition and Block past Rainfall condition

The block received 59 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17 September 2020 to 14 October 2020), mildly wet condition was there.

Forecasted period: 21st October 2020 to 25th October 2020

Weather advisory: Moderate rainfall is forecasted for Wednesday to Friday and Very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 32-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-94% and 61-71% respectively. There will be overcast sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	6	11	23	13	3
T-Max(°C)	34	32	32	32	32
T-Min(°C)	26	26	26	25	27
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	88	93	94	89	92
RH Min (%)	61	69	71	69	63
Wind Speed (Kmph)	14	15	12	7	6
Wind Direction (deg)	32	23	351	336	75

Agromet Advisory

General Advisory: Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.

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. Spray 2% salt solution to avoid germination of matured grains. If yellow stem borer found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of swarming caterpillar, spray Chloropyrifos 20EC 2.5 ml/ liter on the rice field bunds. Present weather may cause blast in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of bacterial leaf blight in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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.

Maize: Stem borer may attack the crop at this stage. Spray 80ml chlorantraniliprole 18.5 SC or 60ml flubendiamide 39.35 SC per acre crop area mixing with 200lit of water. There may be aphids incidence in maize due to high humidity and cloudy condition, if observe spray Dimethoate 30% EC @ 2 ml/ litre of water in sunny days. If leaf Blight disease found in maize crop, to manage this disease Spray Mancozeb 75 % WP @ 400-gram/200 litre or Carbendazim 12 % + Mancozeb 63 % WP @ 400-gram/200 litre of water. At 30 days age apply 40 kg urea / ac as second dose of nitrogen.

VEGETABLES: The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of damping off disease in vegetable nursery due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent wilting in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases. 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 Chilli, thrips may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In cowpea for Rust- Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. Sucking pests like aphids, Jassids, and whiteflies in okra due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Mrs. Sujata Sethy
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Bulletin No.-134
Date- 20/10/2020

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

The block received 72 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. **According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17September 2020 to 14October 2020), mildly wet condition was there.**

Forecasted period: 21st October 2020 to 25th October 2020

Weather advisory: **Moderate rainfall is forecasted for Thursday, Friday and Very light to light rainfall is forecasted for other 3 days in the block.** The day temperature will be 29-33°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-94% and 63-78% respectively. There will be overcast sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	4	10	22	15	4
T-Max(°C)	33	30	30	29	31
T-Min(°C)	27	26	25	25	27
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	86	93	94	91	86
RH Min (%)	63	78	78	73	69
Wind Speed (Kmph)	18	16	13	8	6
Wind Direction (deg)	45	26	343	338	68

Agromet Advisory

General Advisory: **Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.**

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. Spray 2% salt solution to avoid germination of matured grains. If **yellow stem borer** found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of **swarming caterpillar**, spray Chloropyrifos 20EC 2.5 ml/ liter on the rice field bunds. Present weather may cause **blast** in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of **bacterial leaf blight** in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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.

Maize: **Stem borer** may attack the crop at this stage. Spray 80ml chlorantraniliprole 18.5 SC or 60ml flubendiamide 39.35 SC per acre crop area mixing with 200lit of water. There may be **aphids** incidence in maize due to high humidity and cloudy condition, if observe spray Dimethoate 30% EC @ 2 ml/ litre of water in sunny days. If **leaf Blight** disease found in maize crop, to manage this disease Spray Mancozeb 75 % WP @ 400-gram/200 litre or Carbendazim 12 % + Mancozeb 63 % WP @ 400-gram/200 litre of water. At 30 days age apply 40 kg urea / ac as second dose of nitrogen.

VEGETABLES: The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of **damping off disease in vegetable nursery** due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent **bitter gourd and pointed gourd from leaf spot, Stem rot & Downy mildew diseases**. 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 **Chilli, thrips** may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In **cowpea for Rust**- Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. **Sucking pests like aphids, Jassids, and whiteflies in okra** due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

Animal husbandry: Keep animal shed and shelter house free from water logging by keeping it dry and free from weed. Fresh and immature leaves should not to be fed more amount as they may cause diarrhea. If grasses were cut in morning or evening time, it can be sun dried for about 30 minute before feeding.

Mrs. Sujata Sethy
(Nodal officer)



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Bulletin No.-134
Date- 20/10/2020

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition and Block past Rainfall condition

The block received 53 mm and district received 68 mm rainfall during the last week. The mean daily maximum and minimum temperature was 33°C and 23°C, respectively. Mean relative humidity of the district was around 89-88%. According to NDVI map (07.10.2020 to 13.10.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-17 September 2020 to 14 October 2020), mildly wet condition was there.

Forecasted period: 21st October 2020 to 25th October 2020

Weather advisory: Moderate rainfall is forecasted for Thursday and Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 32-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-94% and 64-75% respectively. There will be overcast sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	21/10/2020	22/10/2020	23/10/2020	24/10/2020	25/10/2020
Rainfall(mm)	5	9	18	10	3
00T-Max(°C)	34	33	32	32	32
T-Min(°C)	26	26	25	25	26
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	91	93	94	89	87
RH Min (%)	64	65	75	69	65
Wind Speed (Kmph)	9	12	9	10	5
Wind Direction (deg)	45	360	360	336	330

Agromet Advisory

General Advisory: Collect water in farm ponds and water harvesting structures for future use. Start preparation of nursery beds and complete sowing tomato, cabbage, cauliflower and onion seeds. Pause intercultural activities, pesticide and fertilizer spraying in rainy days and cover the nursery bed with polythene.

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. Spray 2% salt solution to avoid germination of matured grains. If yellow stem borer found in field, spray the crop with Rynaxypyr 20% SC @ 0.3 ml/litre of water or Acephate 75% SP @ 1.5 g/litre of water. 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. If there is outbreak of swarming caterpillar, spray Chloropyrifos 20EC 2.5 ml/ litre on the rice field bunds. Present weather may cause blast in rice, if observe spray with Tebuconazole 50% + Trifloxystrobin 25% @ 0.4 g/litre of water or Carbendazim 50% WP @ 1.5 g/litre of water. Cloudy weather with drizzling may result occurrence of bacterial leaf blight in rice. It is advised to spray the crop immediately after rain with 1 g Plantomycin per litre of water in sunny days. 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.

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:

In groundnut complete hoeing and weeding followed by earthing up before flowering. 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.

VEGETABLES:

The vegetable nursery should be covered with white polythene to protect it. This is best time to raise nursery for cole crops like cabbage and cauliflower, Tomato. There is a chance of occurrence of damping off disease in vegetable nursery due to rainfall in last week. To control immediately drain out excess water from the field and go for soil drenching with metalaxyl @ 2 ml/ l. Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent wilting in vegetables. Spray 400gm (Metalaxyl + Mancozeb) or 300gm Chlorothalonil in 200 liter water to prevent bitter melon and pointed melon from leaf spot, Stem rot & Downy mildew diseases. 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 Chilli, thrips may be seen. So, apply Ethion 50% EC @ 400ml/ acre or Imidacloprid 17.8% SL @ 60 ml/acre. Go for sowing of tomato using resistant varieties like BT-2, BT-10, BT-12, etc. In cowpea for Rust- Spraying of Tridemephon @ 1ml/4 ltrs water. Leaf blight- Carbendazim + Mancozeb @ 0.2% spraying is very useful. Sucking pests like aphids, Jassids, and whiteflies in okra due to present weather condition. To manage these pests at early stage of infestation spray neem-based pesticide (Azadirachtin) 1500 PPM @600-ml/acre by mixing it in 200-litre of water.

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