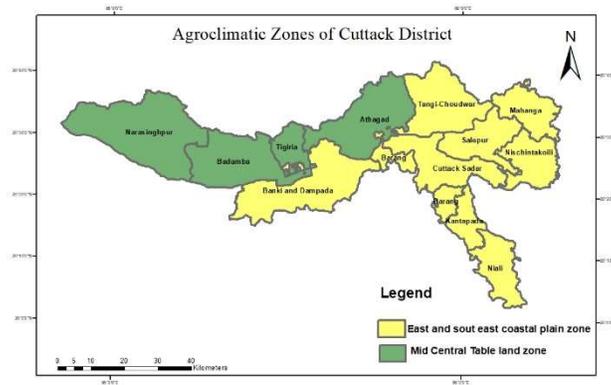
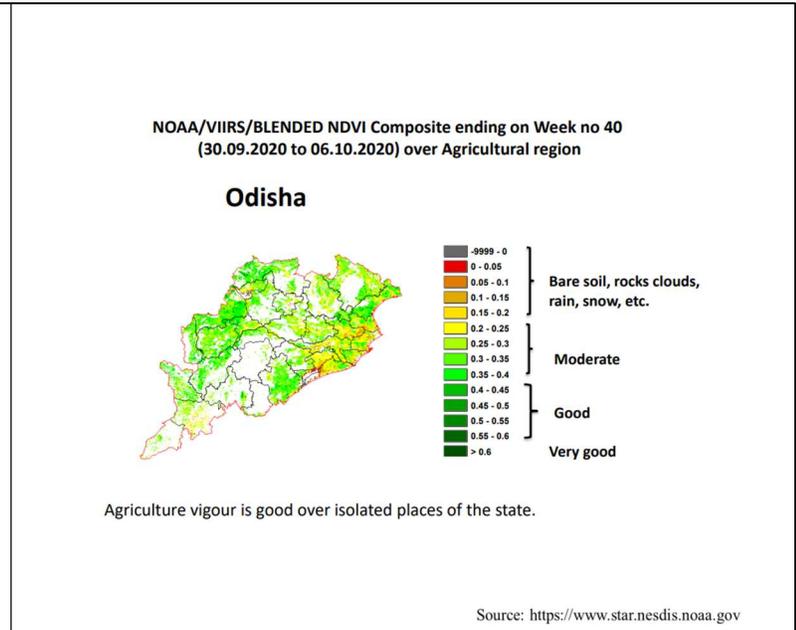
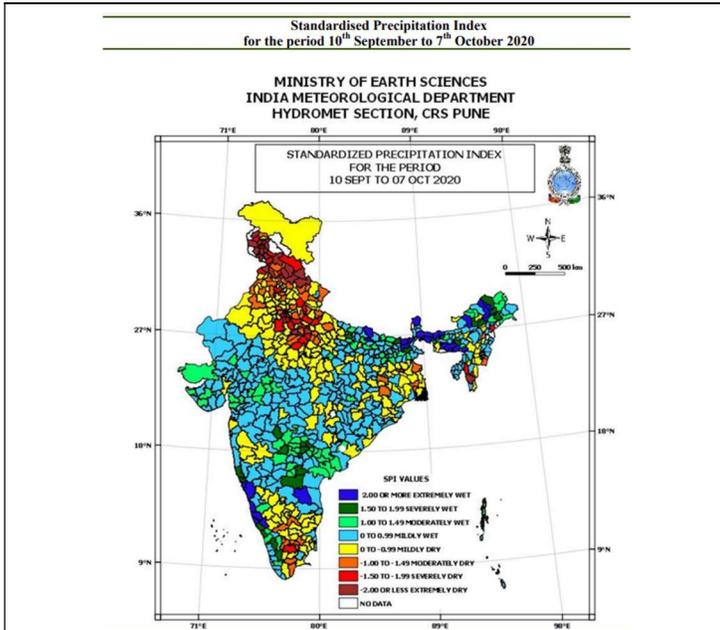


AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARD PRECIPITATION INDEX AND NDVI MAP



As per SPI value (cumulative 4weeks - 10September 2020 to 07October 2020), Mildly dry condition was there in Cuttack district.

According to NDVI map (30.09.2020 to 06.10.2020) 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.-131
Date- 09/10/2020

AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition and Block past Rainfall condition

The block received 39 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.

Forecasted period: 10thOctober 2020 to 14thOctober 2020

Weather advisory: Very light to light rainfall is forecasted for today to Tuesday except moderate rainfall is forecasted for Monday in the block. The day temperature will be 28-33°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-98% and 62-84% respectively. There will be partly cloudy to overcast sky for next 5 days. As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall (mm)	6	5	9	13	5
T-Max (°C)	33	33	30	30	28
T-Min (°C)	24	23	23	23	22
Cloud Cover (octa)	7	7	6	8	8
RH Max (%)	90	96	94	98	97
RH Min (%)	62	64	74	78	84
Wind Speed (kmph)	4	10	13	12	9
Wind Direction (deg)	158	64	68	69	90

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chlorpyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

GROUNDNUT:

Provide drainage. There may be chances of incidence of Tikka and stem rot disease in groundnut after rainfall. To manage Tikka disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Hexaconazole 5% E.C @ 11 300-ml/acre. To manage Stem Rot disease disease in groundnut spray Validamycin 3 % L @ 400-ml/acre or Captan 70 % + Hexaconazole 5 % @ 300-gram/acre. To spray the fungicide 200- litre of water per acre is required.

VEGETABLES:

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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits:

To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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)



Follow Meghdoot Mobile APP for Agromet advisories in local language and DAMINI APP for Lightening alert in your area



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Bulletin No.-131
Date- 09/10/2020

AGROMET ADVISORY BULLETIN FOR BADAMBA

District Past week weather condition and Block past Rainfall condition

The block received 47 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.

Forecasted period: 10th October 2020 to 14th October 2020

Weather advisory: Very light to light rainfall is forecasted for today to Tuesday except moderate rainfall is forecasted for Monday in the block. The day temperature will be 29-33°C and night temperature will be 22-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-98% and 61-85% respectively. There will be partly cloudy to overcast sky for next 5 days. As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	5	6	8	10	6
T-Max(°C)	33	32	30	29	29
T-Min(°C)	23	22	22	22	22
Cloud Cover(octa)	7	7	7	8	8
RH Max (%)	91	96	96	98	98
RH Min (%)	61	63	76	81	85
Wind Speed (Kmph)	4	8	12	11	10
Wind Direction (deg)	161	64	66	69	90

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chlorpyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

GROUNDNUT:

Provide drainage. There may be chances of incidence of Tikka and stem rot disease in groundnut after rainfall. To manage Tikka disease spray Chlorothalonil 75% WP @ 400-gram/ acre or Hexaconazole 5% E.C @ 11 300-ml/acre. To manage Stem Rot disease in groundnut spray Validamycin 3 % L @ 400-ml/acre or Captan 70 % + Hexaconazole 5 % @ 300-gram/acre. To spray the fungicide 200- litre of water per acre is required.

VEGETABLES:

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 Oxochloride 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits:

To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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.-131
Date- 09/10/2020

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week weather condition and Block past Rainfall condition

The block received 58 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.

Forecasted period: 10th October 2020 to 14th October 2020

Weather advisory: Very light to light rainfall is forecasted for today to Tuesday except moderate rainfall is forecasted for Monday in the block. The day temperature will be 29-33°C and night temperature will be 22-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-98% and 61-84% respectively. There will be partly cloudy to overcast sky for next 5 days. As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	6	4	8	15	6
T-Max(°C)	33	33	30	30	29
T-Min(°C)	23	22	22	23	22
Cloud Cover(octa)	7	7	7	8	8
RH Max (%)	91	96	95	98	98
RH Min (%)	61	62	73	79	84
Wind Speed (Kmph)	4	10	14	12	10
Wind Direction (deg)	180	64	66	69	77

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chlorpyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

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:

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 Oxochloride 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits:

To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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.-131
Date- 09/10/2020

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week weather condition

The district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. **According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.**

Forecasted period: 10th October 2020 to 14th October 2020

Weather Advisory: Very light to light rainfall is forecasted for today to Tuesday except moderate rainfall is forecasted for Monday in the block. The day temperature will be 30-31°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-98% and 62-84% respectively. There will be partly cloudy to overcast sky for next 5 days. **As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).**

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	4	5	9	14	6
T-Max(°C)	33	33	30	30	29
T-Min(°C)	24	22	23	23	22
Cloud Cover(octa)	7	7	7	8	8
RH Max (%)	91	96	95	98	98
RH Min (%)	62	63	73	79	84
Wind Speed (Kmph)	4	10	14	12	10
Wind Direction (deg)	180	64	66	69	77

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice:

Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chlorpyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

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: 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80- nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits: To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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.-131
Date- 09/10/2020

AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week weather condition and Block past Rainfall condition

The block received 38 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.

Forecasted period: 10th October 2020 to 14th October 2020

Weather advisory: Very light to light rainfall is forecasted for today to Tuesday except moderate rainfall is forecasted for Monday in the block. The day temperature will be 28-33°C and night temperature will be 24°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-97% and 63-85% respectively. There will be partly cloudy to overcast sky for next 5 days. As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	4	6	8	23	5
T-Max(°C)	33	33	31	30	28
T-Min(°C)	24	24	24	24	24
Cloud Cover	7	7	7	8	8
RH Max (%)	91	96	94	97	97
RH Min (%)	63	63	71	74	85
Wind Speed (Kmph)	5	11	16	12	9
Wind Direction (deg)	180	64	68	69	69

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chlorpyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

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:

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 Oxochloride 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits:

To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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.-131
Date- 09/10/2020

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

The block received 102 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.

Forecasted period: 10th October 2020 to 14th October 2020

Weather advisory: Very light to light rainfall is forecasted for today to Tuesday except moderate rainfall is forecasted for Monday in the block. The day temperature will be 28-33°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-97% and 63-84% respectively. There will be partly cloudy to overcast sky for next 5 days. As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	6	7	9	16	6
T-Max(°C)	33	33	31	30	28
T-Min(°C)	25	24	24	24	23
Cloud Cover(octa)	7	7	6	8	8
RH Max (%)	91	96	93	97	97
RH Min (%)	63	63	71	75	84
Wind Speed (Kmph)	4	11	15	12	8
Wind Direction (deg)	180	64	68	69	69

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chlorpyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

Sugarcane: wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. For **Red rot**, avoid rationing in red rot affected area; spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. For **mealybug** spray chlorantraniliprole @ 0.3 ml/liter of water or imidacloprid @ 0.4 ml/l of water. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period. To manage **leaf hopper pyrilla** in sugarcane spray Imidacloprid 17.8 % SL @ 60-ml/acre or Thiamethoxam 25 % WG @ 40-gram/acre by mixing it in 200 litre of water

VEGETABLES: There is a chance of occurrence of **damping off disease in vegetable nursery** due to heavy 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80- nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits: To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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.-131
Date- 09/10/2020

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition and Block past Rainfall condition

The block received 311 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10 September 2020 to 07 October 2020), mildly dry condition was there.

Forecasted period: 10th October 2020 to 14th October 2020

Weather advisory: Moderate with isolated heavy rainfall is forecasted for Sunday and Monday and Very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 28-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-96% and 62-84% respectively. There will be partly cloudy to overcast sky for next 5 days. As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	7	4	10	30	7
T-Max(°C)	33	33	31	30	28
T-Min(°C)	25	24	24	24	24
Cloud Cover(octa)	6	7	7	8	8
RH Max (%)	90	96	93	95	96
RH Min (%)	62	62	69	73	84
Wind Speed (Kmph)	5	12	17	11	8
Wind Direction (deg)	180	45	68	71	68

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chlorpyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

Sugarcane: wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. For **Red rot**, avoid rationing in red rot affected area; spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. For **mealybug** spray chlorantraniliprole @ 0.3 ml/liter of water or imidacloprid @ 0.4 ml/l of water. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period. To manage **leaf hopper pyrilla** in sugarcane spray Imidacloprid 17.8 % SL @ 60-ml/acre or Thiamethoxam 25 % WG @ 40-gram/acre by mixing it in 200 litre of water

VEGETABLES: There is a chance of occurrence of **damping off disease in vegetable nursery** due to heavy 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits: To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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.-131
Date- 09/10/2020

AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week weather condition and Block past Rainfall condition

The block received 104 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.

Forecasted period: 10th October 2020 to 14th October 2020

Weather advisory: Very light to light rainfall is forecasted for today to Tuesday except moderate rainfall is forecasted for Monday in the block. The day temperature will be 28-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-97% and 62-84% respectively. There will be partly cloudy to overcast sky for next 5 days. As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	6	5	9	20	6
T-Max(°C)	33	33	31	30	28
T-Min(°C)	25	24	24	24	24
Cloud Cover(octal)	7	7	6	8	8
RH Max (%)	91	95	92	97	96
RH Min (%)	62	63	71	75	84
Wind Speed (Kmph)	5	12	16	11	7
Wind Direction (deg)	180	64	68	45	66

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chlorpyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

Sugarcane: Wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. For **Red rot**, avoid rationing in red rot affected area; spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. For **mealybug** spray chlorantraniliprole @ 0.3 ml/liter of water or imidacloprid @ 0.4 ml/l of water. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period. To manage **leaf hopper pyrilla** in sugarcane spray Imidacloprid 17.8 % SL @ 60-ml/acre or Thiamethoxam 25 % WG @ 40-gram/acre by mixing it in 200 litre of water

VEGETABLES:

There is a chance of occurrence of **damping off disease in vegetable nursery** due to heavy 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits: To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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.-131
Date- 09/10/2020

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

The block received 46 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.

Forecasted period: 10th October 2020 to 14th October 2020

Weather advisory: Very light to light rainfall is forecasted for today to Tuesday except moderate rainfall is forecasted for Monday in the block. The day temperature will be 28-34°C and night temperature will be 22-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 92-99% and 58-84% respectively. There will be partly cloudy to overcast sky for next 5 days. As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	3	2	5	10	4
T-Max(°C)	34	32	29	28	29
T-Min(°C)	23	22	22	22	22
Cloud Cover(/octa)	7	7	6	8	8
RH Max (%)	92	97	97	99	99
RH Min (%)	58	62	76	84	82
Wind Speed (Kmph)	3	6	10	8	9
Wind Direction (deg)	180	64	63	69	108

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chlorpyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

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:

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 Oxochloride 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits: To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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.-131
Date- 09/10/2020

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition and Block past Rainfall condition

The block received 186 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.

Forecasted period: 10th October 2020 to 14th October 2020

Weather advisory: Moderate with isolated heavy rainfall is forecasted for Sunday and Monday and Very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 28-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-93% and 61-83% respectively. There will be partly cloudy to overcast sky for next 5 days. As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	5	7	15	32	9
T-Max(°C)	32	33	31	30	28
T-Min(°C)	25	24	24	24	24
Cloud Cover(octa)	6	8	7	8	8
RH Max (%)	89	93	93	93	93
RH Min (%)	62	61	69	73	83
Wind Speed(Kmph)	6	12	18	10	7
Wind Direction(deg)	198	68	68	101	77

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chlorpyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

Sugarcane: wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. For **Red rot**, avoid rationing in red rot affected area; spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. For **mealybug** spray chlorantraniliprole @ 0.3 ml/liter of water or imidacloprid @ 0.4 ml/l of water. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period. To manage **leaf hopper pyrilla** in sugarcane spray Imidacloprid 17.8 % SL @ 60-ml/acre or Thiamethoxam 25 % WG @ 40-gram/acre by mixing it in 200 litre of water

VEGETABLES:

There is a chance of occurrence of **damping off disease in vegetable nursery** due to heavy 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits: To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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.-131
Date- 09/10/2020

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week weather condition and Block past Rainfall condition

The block received 121 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.

Forecasted period: 10th October 2020 to 14th October 2020

Weather advisory: Very light to light rainfall is forecasted for today to Tuesday except moderate with isolated heavy rainfall is forecasted for Monday in the block. The day temperature will be 28-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-97% and 62-83% respectively. There will be partly cloudy to overcast sky for next 5 days. As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	6	5	9	27	5
T-Max(°C)	33	33	31	30	28
T-Min(°C)	25	24	24	24	24
Cloud Cover(octa)	7	7	6	8	8
RH Max (%)	91	95	92	97	96
RH Min (%)	62	62	71	74	83
Wind Speed (Kmph)	5	12	16	10	6
Wind Direction (deg)	180	64	68	45	66

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chloropyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

Sugarcane: wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. Remove the borer affected tillers and late formed tillers, tie the cane shoot with two or three together with partially dried lower leaves. For **Red rot**, avoid rationing in red rot affected area; spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. For **mealybug** spray chlorantraniliprole @ 0.3 ml/liter of water or imidacloprid @ 0.4 ml/l of water. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during non rainy period. To manage **leaf hopper pyrrilla** in sugarcane spray Imidacloprid 17.8 % SL @ 60-ml/acre or Thiamethoxam 25 % WG @ 40-gram/acre by mixing it in 200 litre of water

VEGETABLES:

There is a chance of occurrence of **damping off disease in vegetable nursery** due to heavy 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits: To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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.-131
Date- 09/10/2020

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition and Block past Rainfall condition

The block received 121 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.

Forecasted period: 10th October 2020 to 14th October 2020

Weather advisory: Very light to light rainfall is forecasted for today to Tuesday except moderate rainfall is forecasted for Monday in the block. The day temperature will be 28-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-97% and 62-83% respectively. There will be partly cloudy to overcast sky for next 5 days. As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	5	4	8	25	5
T-Max(°C)	33	33	31	30	28
T-Min(°C)	25	24	24	24	24
Cloud Cover(octa)	7	7	6	8	8
RH Max (%)	91	95	92	97	96
RH Min (%)	62	63	71	74	83
Wind Speed (Kmph)	5	12	16	11	7
Wind Direction (deg)	180	64	68	45	66

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chlorpyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

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:

There is a chance of occurrence of **damping off disease in vegetable nursery** due to heavy 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 Oxochloride 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits:

To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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.-131
Date- 09/10/2020

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

District Past week weather condition and Block past Rainfall condition

The block received 75 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. **According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.**

Forecasted period: 10th October 2020 to 14th October 2020

Weather advisory: Very light to light rainfall is forecasted for today to Tuesday except moderate rainfall is forecasted for Monday in the block. The day temperature will be 29-33°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-91% and 63-79% respectively. There will be partly cloudy to overcast sky for next 5 days. **As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).**

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	4	3	6	12	7
T-Max(°C)	33	33	32	31	29
T-Min(°C)	27	28	27	27	27
Cloud Cover(octa)	6	7	7	8	8
RH Max (%)	88	85	89	91	90
RH Min (%)	64	63	71	78	79
Wind Speed (Kmph)	7	15	22	12	7
Wind Direction (deg)	169	69	72	113	150

Agromet Advisory

General Advisory: Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chloropyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

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:

There is a chance of occurrence of **damping off disease in vegetable nursery** due to heavy 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits:

To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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.-131
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AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition and Block past Rainfall condition

The block received 22 mm and district received 92mm rainfall during the last week. The mean daily maximum and minimum temperature was 32°C and 23°C, respectively. *According to NDVI map (30.09.2020 to 10.06.2020) the agriculture vigor was less to moderate over few places of Cuttack district whereas according to SPI value (cumulative 4 weeks-10September 2020 to 07October 2020), mildly dry condition was there.*

Forecasted period: 10th October 2020 to 14th October 2020

Weather advisory: **Very light to light rainfall is forecasted for today to Tuesday except moderate rainfall is forecasted for Monday in the block.** The day temperature will be 29-33°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 91-98% and 62-84% respectively. There will be partly cloudy to overcast sky for next 5 days. **As per extended range outlook there will be above normal rainfall (+121.3%) in Odisha condition for upcoming week (14-20 October 2020).**

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	10/10/2020	11/10/2020	12/10/2020	13/10/2020	14/10/2020
Rainfall(mm)	3	4	7	10	5
00T-Max(°C)	33	33	30	30	29
T-Min(°C)	24	23	23	23	22
Cloud Cover(octa)	7	7	7	8	8
RH Max (%)	91	96	95	98	98
RH Min (%)	62	64	75	80	84
Wind Speed (Kmph)	4	9	13	11	10
Wind Direction (deg)	158	64	68	69	90

Agromet Advisory

General Advisory: *Drain out excess water from vegetable nursery and main field. Watch for rain before applying pesticides and fertilizers. If necessary apply only when sky becomes clear and use sticker to the spray solution for pesticides. In fallow uplands, utilizing recent rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc and also go for raising of nursery for rabi vegetables should be started.*

Kharif Rice: Maintain about 5-6cm standing water during tillering to panicle initiation stage. At PI stage apply 13kg urea with 10kg MOP in short duration varieties and 18kg urea with 15kg MOP in medium and long duration varieties per acre. If **Brown Plant Hopper (BPH) infestation** observe in rice. Go for alternate wetting and drying. Make a gape after 8 to 10 rows for entry of sunlight and air. Whenever the number of hoppers/hill reaches 5-10, spray Pymetrozine 50% WG @ 120 g or Buprofezin 25% SC @ 330 ml or Imidacloprid 17.8% SL @ 50 ml per acre in the base of the plant. Before spraying remove water from the field. If there is **stem borer infestation, Case worm, leaf folder infestation** due to the prevalence of cloudy weather. 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. 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. If there is outbreak of **swarming caterpillar**, spray Chloropyrifos 20EC 2.5 ml/ liter on the rice field bunds. Forecasted weather is favorable for **Blast, sheath blight, brown spot** disease attack in rice. To manage the disease spray Propiconazole or Hexaconazole @ 1 gm/L of water after the cessation of rain. In case of **stem rot**, spray the of the crop with 4g mancozeb or 2g carbendazim in litre of water after drying the weather.

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:
 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. To control **YMV in Okra, thrips in Chilli and aphids in Cowpea crop**, spray Imidacloprid @ 5 ml in 10 litres of water. To manage **fruit fly in cucurbits**, prepare a poison bait by mixing 400- gram Jaggery and 8-ml Malathion in 4-litre of water. Keep this mixture in Plastic cups or clay pots @ 80-nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits.

Fruits:
 To prevent the spread of **viral diseases transmitted by aphids** spray dimethoate 2 ml of per lit of water. In light soils for the prevention of **neematodes** apply 25 g carbofuran granules for each plant at a distance of 10 cm away from the plant and cover with the soil. 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.

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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