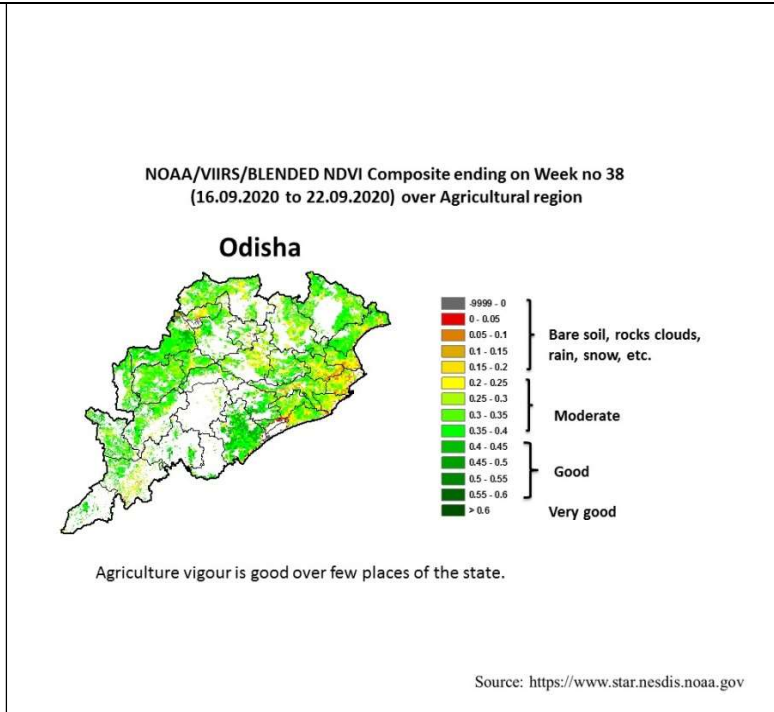
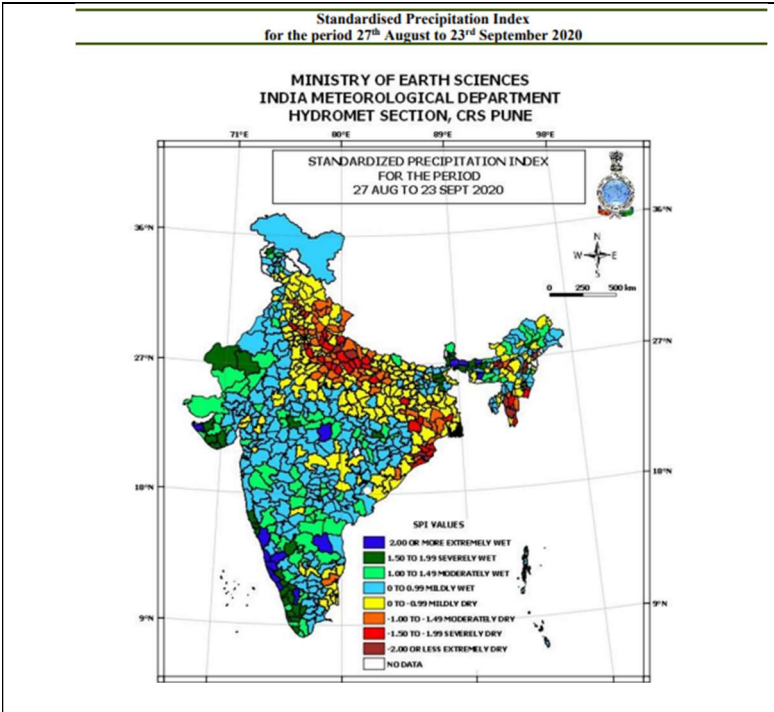


AGROCLIMATIC ZONE OF CUTTACK DISTRICT:

1. East & South East coastal plain zone (Blocks: Banki, Banki-Dampara, Baranga, Cuttack sadar, Salepur, Nischintakoilli, Niali, Kantapada, Mahanga, Tangi-choudwar)
2. Mid central table land zone (Blocks: Narsinghpur, Badamba, Tigiria, Athagad)

STANDARD PRECIPITATION INDEX AND NDVI MAP



As per SPI value (cumulative 4weeks -27August 2020 to 23 September 2020), Extremely dry condition was there in Cuttack district.

According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks 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.-128
Date- 29/09/2020

AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition and Block past Rainfall condition

The block received 14 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. **According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27August2020 to 23 September 2020), extremely dry condition was there.**

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Thursday with Very light to light rainfall is forecasted for other 4 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) The day temperature will be 33-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-94% and 42-58% respectively. There will be partly cloudy to overcast sky for next 5days.

lock	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall (mm)	9	8	14	3	6
T-Max (°C)	34	33	33	34	34
T-Min (°C)	25	24	24	24	25
Cloud Cover (octa)	6	8	7	7	8
RH Max (%)	86	88	79	79	94
RH Min (%)	55	58	55	42	49
Wind Speed (kmph)	6	7	7	6	7
Wind Direction (deg)	165	360	326	334	18

Agromet Advisory

General Advisory: Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @ 500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml /l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim 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: Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.-128
Date- 29/09/2020

AGROMET ADVISORY BULLETIN FOR BADAMBA

District Past week weather condition and Block past Rainfall condition

The block received 120 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27 August 2020 to 23 September 2020), extremely dry condition was there.

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Thursday with Very light to light rainfall is forecasted for other 4 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) The day temperature will be 33-34°C and night temperature will be 24°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-91% and 41-60% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	9	6	11	2	3
T-Max(°C)	34	33	33	34	34
T-Min(°C)	24	24	24	24	24
Cloud Cover(octa)	7	8	7	7	8
RH Max (%)	87	88	68	71	91
RH Min (%)	55	60	52	41	49
Wind Speed (Kmph)	6	6	6	5	5
Wind Direction (deg)	248	360	330	342	30

Agromet Advisory

General Advisory: Drain out excess water from the main field and vegetable nursery as heavy rainfall was realized in last week. Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @ 500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml/l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim 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:

Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.-128
Date- 29/09/2020

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week weatherconditionand Block past Rainfall condition

The block received 18 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. **According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27August2020 to 23 September 2020), extremely dry condition was there.**

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Thursday with Very light to light rainfall is forecasted for other 4 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) The day temperature will be 33-34°C and night temperature will be 24°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-93% and 41-59% respectively. There will be partly cloudy to overcast sky for next 5days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	7	8	11	2	3
T-Max(°C)	34	33	33	34	34
T-Min(°C)	24	24	24	24	24
Cloud Cover(octa)	6	8	7	7	8
RH Max (%)	86	88	75	73	93
RH Min (%)	54	59	54	41	48
Wind Speed (Kmph)	6	7	7	6	6
Wind Direction (deg)	165	360	335	340	19

Agromet Advisory

General Advisory: Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @2.5ml (or) profenophos @ 2ml /l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim 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:

Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.-128
 Date- 29/09/2020

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week weathercondition

The district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. **According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27August2020 to 23 September 2020), extremely dry condition was there.**

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory Moderate rainfall or thundershower is forecasted for Thursday with Very light to light rainfall is forecasted for other 4 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) The day temperature will be 33-34°C and night temperature will be 24°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-93% and 41-60% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	6	9	13	3	4
T-Max(°C)	34	33	33	34	34
T-Min(°C)	24	24	24	24	24
Cloud Cover(octa)	6	8	7	7	8
RH Max (%)	86	88	77	74	93
RH Min (%)	54	60	54	41	48
Wind Speed (Kmph)	6	7	7	6	6
Wind Direction (deg)	165	360	338	340	19

Agromet Advisory

General Advisory: Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @2.5ml (or) profenophos @ 2ml /l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim 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:

Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.-128
Date- 29/09/2020

AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week weather condition and Block past Rainfall condition

The block received 10 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27 August 2020 to 23 September 2020), extremely dry condition was there.

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Thursday with Very light to light rainfall is forecasted for other 4 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) The day temperature will be 33-34°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-93% and 43-58% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	8	9	12	2	6
T-Max(°C)	33	33	33	34	34
T-Min(°C)	25	25	25	25	25
Cloud Cover	6	7	8	7	8
RH Max (%)	88	90	88	83	93
RH Min (%)	56	58	57	43	49
Wind Speed (Kmph)	6	7	8	7	8
Wind Direction (deg)	165	360	15	341	23

General Advisory: Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @2.5ml (or) profenophos @ 2ml/l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim 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:

Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.-128
 Date- 29/09/2020

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

The block received 12 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. **According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27 August 2020 to 23 September 2020), extremely dry condition was there.**

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for tomorrow and Thursday with Very light to light rainfall is forecasted for other 3 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) The day temperature will be 33-34°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-92% and 42-57% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	7	10	12	3	6
T-Max(°C)	33	33	33	34	34
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	6	7	8	7	8
RH Max (%)	87	90	87	85	92
RH Min (%)	55	57	56	42	50
Wind Speed (Kmph)	6	7	8	6	8
Wind Direction (deg)	165	360	338	338	56

Agromet Advisory

General Advisory: Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @ 500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml /l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blas** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Sugarcane:

wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chloropyriphos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. 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.

VEGETABLES:

Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.

Mrs. Sujata Sethy
 (Nodal officer)



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Bulletin No.-128
 Date- 29/09/2020

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27 August 2020 to 23 September 2020), extremely dry condition was there.

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for tomorrow and Thursday with Very light to light rainfall is forecasted for other 3 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) The day temperature will be 32-34°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-92% and 44-57% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	6	11	13	5	6
T-Max(°C)	32	33	33	34	34
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	6	6	7	7	8
RH Max (%)	87	89	90	81	92
RH Min (%)	57	56	57	44	50
Wind Speed (Kmph)	6	7	8	7	9
Wind Direction (deg)	180	162	15	349	56

Agromet Advisory

General Advisory: Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @ 500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml /l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Sugarcane:

wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chloropyriphos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. 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.

VEGETABLES:

Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.-128
Date- 29/09/2020

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

The block received 05 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. **According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27 August 2020 to 23 September 2020), extremely dry condition was there.**

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for tomorrow and Thursday with Very light to light rainfall is forecasted for other 3 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) 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 86-90% and 44-59% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	6	12	13	2	8
T-Max(°C)	32	33	33	34	34
T-Min(°C)	25	25	25	26	25
Cloud Cover(octal)	7	6	8	8	8
RH Max (%)	87	90	89	86	90
RH Min (%)	59	57	59	44	53
Wind Speed (Kmph)	6	7	7	6	10
Wind Direction (deg)	158	158	15	342	23

Agromet Advisory

General Advisory: Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @ 500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml/l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Sugarcane:

wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chloropyriphos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. 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.

VEGETABLES:

Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.-128
Date- 29/09/2020

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

The block received 28 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. **According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27 August 2020 to 23 September 2020), extremely dry condition was there.**

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: **Moderate rainfall or thundershower is forecasted for Thursday with Very light to light rainfall is forecasted for other 4 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.)** The day temperature will be 32-35°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-91% and 40-63% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	9	7	10	2	3
T-Max(°C)	34	32	33	35	34
T-Min(°C)	24	23	23	23	24
Cloud Cover(octa)	7	8	8	7	8
RH Max (%)	91	86	63	67	84
RH Min (%)	53	63	47	40	46
Wind Speed (Kmph)	5	5	6	5	4
Wind Direction (deg)	15	333	302	338	15

Agromet Advisory

General Advisory: *Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.*

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @2.5ml (or) profenophos @ 2ml /l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim 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:

Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.-128
Date- 29/09/2020

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition and Block past Rainfall condition

The block received 11 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27 August 2020 to 23 September 2020), extremely dry condition was there.

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for tomorrow and Thursday with Very light to light rainfall is forecasted for other 3 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) The day temperature will be 33-35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-91% and 44-58% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	6	12	13	2	3
T-Max(°C)	33	33	33	35	34
T-Min(°C)	25	25	25	25	24
Cloud Cover(octa)	6	6	7	7	8
RH Max (%)	87	88	90	79	91
RH Min (%)	58	56	58	44	52
Wind Speed(Kmph)	6	8	8	7	8
Wind Direction(deg)	180	162	15	342	63

Agromet Advisory

General Advisory: Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, intercropping operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @ 500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml/l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak**, spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Sugarcane: wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chloropyriphos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. 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.

VEGETABLES: Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.-128
 Date- 29/09/2020

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27 August 2020 to 23 September 2020), extremely dry condition was there.

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for tomorrow and Thursday with Very light to light rainfall is forecasted for other 3 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) 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 85-91% and 45-59% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	8	13	15	5	8
T-Max(°C)	32	33	33	34	34
T-Min(°C)	25	25	25	26	25
Cloud Cover(octa)	6	6	8	8	8
RH Max (%)	87	90	89	85	91
RH Min (%)	59	56	59	45	53
Wind Speed (Kmph)	6	7	7	6	10
Wind Direction (deg)	165	158	15	360	23

Agromet Advisory

General Advisory: Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, inter-cultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @ 500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml /l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim after drying the weather.

Sugarcane:

wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For **early shoot borer** Spray Chloropyriphos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. 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.

VEGETABLES:

Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.-128
Date- 29/09/2020

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition and Block past Rainfall condition

The block received 02 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27 August 2020 to 23 September 2020), extremely dry condition was there.

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Thursday with Very light to light rainfall is forecasted for other 4 days in the block. (There may be chances of thunderstorm or lightning at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) 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 86-91% and 44-58% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	7	9	14	2	7
T-Max(°C)	32	33	33	34	34
T-Min(°C)	25	25	25	26	25
Cloud Cover(octa)	6	6	8	8	8
RH Max (%)	87	90	89	86	91
RH Min (%)	58	57	58	44	53
Wind Speed (Kmph)	6	7	7	6	10
Wind Direction (deg)	165	158	15	360	30

Agromet Advisory

General Advisory: Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, inter-cultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @ 500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml /l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim 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:

Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.-128
Date- 29/09/2020

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

The block received 12 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. **According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27 August 2020 to 23 September 2020), extremely dry condition was there.**

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Thursday with Very light to light rainfall is forecasted for other 4 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) The day temperature will be 33-35°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 55-63% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	9	8	11	3	8
T-Max(°C)	33	34	33	35	34
T-Min(°C)	27	27	27	28	26
Cloud Cover(octa)	5	5	7	8	8
RH Max (%)	86	85	87	82	87
RH Min (%)	61	60	63	55	55
Wind Speed (Kmph)	6	9	7	7	11
Wind Direction (deg)	180	180	153	120	360

Agromet Advisory

General Advisory: Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @2.5ml (or) profenophos @ 2ml /l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim 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:

Apply 1.5g Streptocycline + 25 g Copper Oxychloride in 10 litre water to prevent **wilting** in vegetables. To prevent **brinjal and okra from stem & fruit borer** apply 70 ml Spinosad or 60gm Ammonium benzoate in 200 liter of water per acre. 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.

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.-128
Date- 29/09/2020

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition and Block past Rainfall condition

The block received 20 mm and district received 18 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 24°C, respectively. Relative humidity of the district was around 82-81%. **According to NDVI map (16.09.2020 to 22.09.2020) the agriculture vigor was moderate to good over maximum blocks of Cuttack district whereas according to SPI value (cumulative 4 weeks-27 August 2020 to 23 September 2020), extremely dry condition was there.**

Forecasted period: 30th September 2020 to 04th October 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Thursday with Very light to light rainfall is forecasted for other 4 days in the block. (There may be chances of thunderstorm or lightening at one or two places of Cuttack district in between today to Thursday, for more update follow now cast warnings.) The day temperature will be 33-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-93% and 42-59% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/09/2020	01/10/2020	02/10/2020	03/10/2020	04/10/2020
Rainfall(mm)	9	8	10	2	3
00T-Max(°C)	34	33	33	34	34
T-Min(°C)	24	24	24	24	25
Cloud Cover(octa)	7	8	7	7	8
RH Max (%)	86	89	74	77	93
RH Min (%)	55	59	55	42	50
Wind Speed (Kmph)	6	6	6	5	6
Wind Direction (deg)	165	360	335	340	23

Agromet Advisory

General Advisory: Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm. Postpone irrigation, inter-cultural operation and application of plant protection measures and fertilizers to the standing crops in rainy days.

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** spray Chloropyriphos @ 400 ml/acre or Monocrotophos @ 400 ml/acre or apply Cartap hydrochloride @ 7.5 kg/acre and in early transplanted/direct sown crop, chance for **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 Chlorpyriphos 20EC @ 500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyriphos @ 2.5ml (or) profenophos @ 2ml /l. If **sheath blight** will be found in early transplanted rice then apply carbendazim 2g/ltr or propiconazole 1ml/ltr of water. To control **bacterial leaf blight/ bacterial leaf streak** spray Plantomycin @ 1 g + Copper oxychloride @ 2 g/litre of water when sky becomes clear. In case of **Blast** incidence spraying of Carbendazim 50 WP @ 2 g/liter or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. In case of **Foot rot**, spray the basal portion of the crop with 0.4% mancozeb or 0.2% carbendazim 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.

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