



**GRAMIN KRUSHI MAUSAM SEVA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
**(A Unit of ICAR-National Rice Research Institute)**



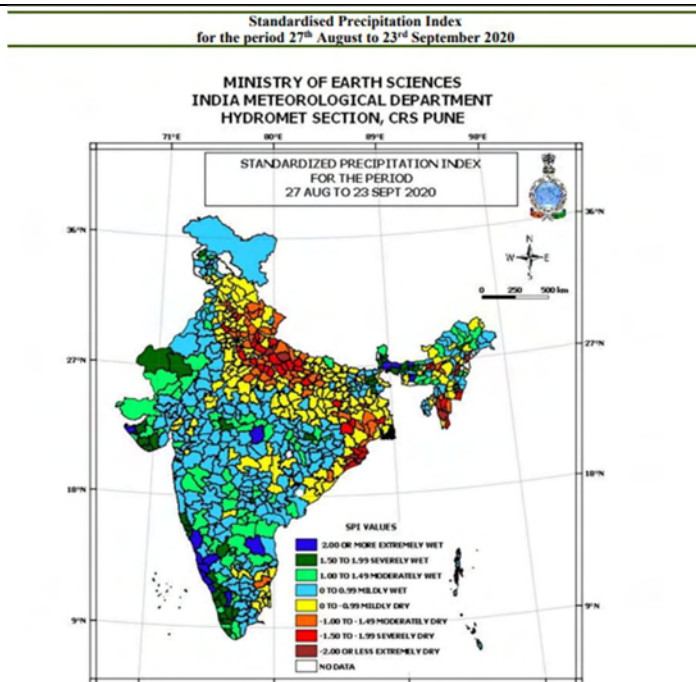
Bulletin No-127  
Date-25.09.2020

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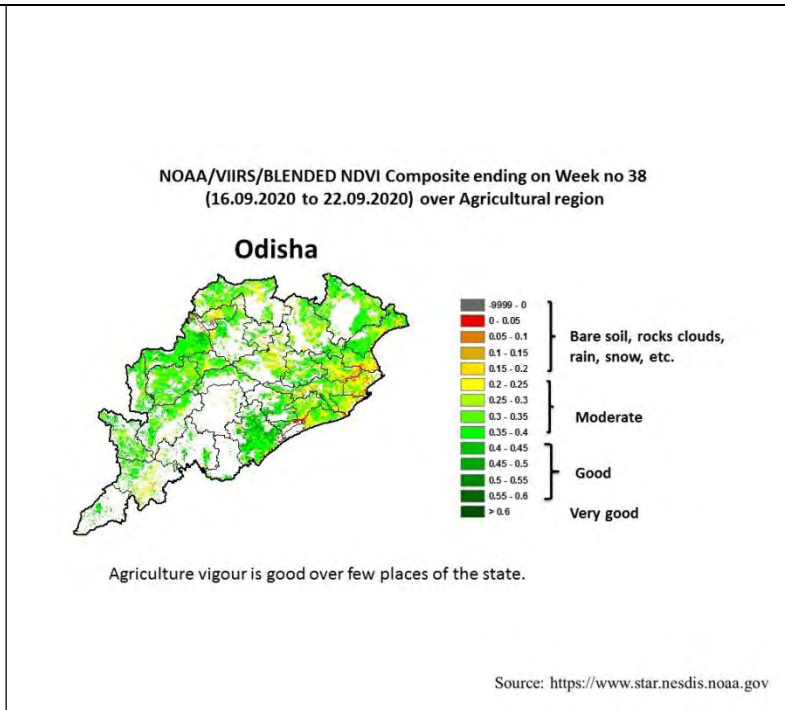
**AGROCLIMATIC ZONE OF CUTTACK DISTRICT:**

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.**

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

Mrs. Sujata Sethy  
(Nodal officer)



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Debasish Jena  
SMS (Agrometeorology)  
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**Bulletin No-127**  
**Date-25.09.2020**

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**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

**District Past week weather condition and Block past Rainfall condition**

**The block received 25 mm and district received 56 mm rainfall during the last week.** The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. **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: 26<sup>th</sup>September 2020 to 30<sup>th</sup>September 2020**

**Weather advisory: Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block.** 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 86-92% and 49-60% respectively. There will be partly cloudy to overcast sky for next 5 days.

lock	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall (mm)	12	6	1	2	1
T-Max (°C)	33	33	34	34	33
T-Min (°C)	24	25	24	25	24
Cloud Cover (octa)	8	8	6	8	8
RH Max (%)	92	86	87	86	87
RH Min (%)	60	55	49	49	52
Wind Speed (kmph)	10	6	7	7	6
Wind Direction (deg)	205	180	158	27	90

**Agromet Advisory**

**General Advisory:** Farmers should spray insecticides or pesticides in crops as per requirement mixing with sticker observing the rain. Complete intercultural operations and fertilizer application in arhar, maize and groundnut observing the forecasted rain. Keep watch on the crop. Keep the drainage channels open to drain out excess rain water from upland crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days (today and tomorrow). They should drain out excess water from rice and vegetable field and store in a water harvesting structure for future purpose in dry spell. In fallow uplands, utilizing realized and anticipated rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc.

**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-127**  
**Date-25.09.2020**

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**AGROMET ADVISORY BULLETIN FOR BADAMBA**

**District Past week weather condition and Block past Rainfall condition**

The block received 181 mm and district received 56 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. 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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory:** Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block. 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 84-92% and 50-62% 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)				
	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall(mm)	14	4	2	2	1
T-Max(°C)	33	33	34	33	33
T-Min(°C)	24	24	24	25	24
Cloud Cover(octa)	8	8	6	8	8
RH Max (%)	92	84	85	86	85
RH Min (%)	62	54	51	50	54
Wind Speed (Kmph)	8	5	6	6	5
Wind Direction (deg)	208	333	18	150	153

**Agromet Advisory**

**General Advisory:** Farmers should spray insecticides or pesticides in crops as per requirement mixing with sticker observing the rain. Complete intercultural operations and fertilizer application in arhar, maize and groundnut observing the forecasted rain. Keep watch on the crop. Keep the drainage channels open to drain out excess rain water from upland crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days (today and tomorrow). They should drain out excess water from rice and vegetable field and store in a water harvesting structure for future purpose in dry spell. In fallow uplands, utilizing realized and anticipated rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc.

**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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**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week weatherconditionand Block past Rainfall condition**

The block received 22 mm and district received 56 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. 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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory:** Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block. 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 85-91% and 49-59% respectively. There will be partly cloudy to overcast sky for next 5 days.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall(mm)	13	8	6	2	1
T-Max(°C)	33	33	34	33	33
T-Min(°C)	24	24	24	24	24
Cloud Cover(octa)	8	8	6	7	8
RH Max (%)	91	85	87	86	86
RH Min (%)	59	56	51	49	54
Wind Speed (Kmph)	9	6	7	7	6
Wind Direction (deg)	205	338	18	23	90

**Agromet Advisory**

**General Advisory:** Farmers should spray insecticides or pesticides in crops as per requirement mixing with sticker observing the rain. Complete intercultural operations and fertilizer application in arhar, maize and groundnut observing the forecasted rain. Keep watch on the crop. Keep the drainage channels open to drain out excess rain water from upland crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days (today and tomorrow). They should drain out excess water from rice and vegetable field and store in a water harvesting structure for future purpose in dry spell. In fallow uplands, utilizing realized and anticipated rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc.

**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.

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**AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA**

**District Past week weathercondition**

The district received **56 mm rainfall during the last week**. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. **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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block.** 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 86-91% and 50-59% 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)				
	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall(mm)	13	7	6	2	1
T-Max(°C)	33	33	34	33	33
T-Min(°C)	24	24	24	24	24
Cloud Cover(octa)	8	8	6	8	8
RH Max (%)	91	86	87	86	86
RH Min (%)	59	57	51	50	54
Wind Speed (Kmph)	10	6	7	7	6
Wind Direction (deg)	205	338	158	27	68

**Agromet Advisory**

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**VEGETABLES:**

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Mrs. Sujata Sethy  
(Nodal officer)



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**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
**(A Unit of ICAR-National Rice Research Institute)**



Bulletin No-127  
Date-25.09.2020

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**AGROMET ADVISORY BULLETIN FOR BARANGA**

**District Past week weather condition and Block past Rainfall condition**

The block received 66 mm and district received 56 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. **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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory: Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block.** 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 87-91% and 50-60% 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)				
	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall(mm)	10	8	2	3	2
T-Max(°C)	33	33	34	33	33
T-Min(°C)	24	25	24	25	25
Cloud Cover	8	8	6	8	8
RH Max (%)	91	89	89	87	89
RH Min (%)	60	57	53	50	54
Wind Speed (Kmph)	12	7	7	7	6
Wind Direction (deg)	212	240	23	45	23

**Agromet Advisory**

**General Advisory:** Farmers should spray insecticides or pesticides in crops as per requirement mixing with sticker observing the rain. Complete intercultural operations and fertilizer application in arhar, maize and groundnut observing the forecasted rain. Keep watch on the crop. Keep the drainage channels open to drain out excess rain water from upland crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days (today and tomorrow). They should drain out excess water from rice and vegetable field and store in a water harvesting structure for future purpose in dry spell. In fallow uplands, utilizing realized and anticipated rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc.

**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.

**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 Streptomycin + 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-127  
Date-25.09.2020

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**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

**District Past week weather condition and Block past Rainfall condition**

The block received 45 mm and district received 56 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. **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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory: Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block.** 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 86-91% and 48-60% 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)				
	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall(mm)	12	4	1	2	1
T-Max(°C)	33	33	34	33	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	8	8	6	7	8
RH Max (%)	91	88	88	86	88
RH Min (%)	60	54	49	48	52
Wind Speed (Kmph)	12	7	7	7	6
Wind Direction (deg)	212	240	23	68	45

**Agromet Advisory**

**General Advisory:** Farmers should spray insecticides or pesticides in crops as per requirement mixing with sticker observing the rain. Complete intercultural operations and fertilizer application in arhar, maize and groundnut observing the forecasted rain. Keep watch on the crop. Keep the drainage channels open to drain out excess rain water from upland crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days (today and tomorrow). They should drain out excess water from rice and vegetable field and store in a water harvesting structure for future purpose in dry spell. In fallow uplands, utilizing realized and anticipated rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc.

**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 Streptomycin + 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-127  
Date-25.09.2020

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**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

**District Past week weather condition and Block past Rainfall condition**

The block received 54 mm and district received 56 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. 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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory:** Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block. The day temperature will be 32-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-90% and 54-63% 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)				
	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall(mm)	10	9	5	2	5
T-Max(°C)	32	34	33	33	33
T-Min(°C)	25	25	24	25	25
Cloud Cover(octa)	8	8	6	8	8
RH Max (%)	90	89	90	87	89
RH Min (%)	63	57	61	54	55
Wind Speed (Kmph)	13	7	6	8	7
Wind Direction (deg)	207	243	158	45	23

**Agromet Advisory**

**General Advisory:** Farmers should spray insecticides or pesticides in crops as per requirement mixing with sticker observing the rain. Complete intercultural operations and fertilizer application in arhar, maize and groundnut observing the forecasted rain. Keep watch on the crop. Keep the drainage channels open to drain out excess rain water from upland crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days (today and tomorrow). They should drain out excess water from rice and vegetable field and store in a water harvesting structure for future purpose in dry spell. In fallow uplands, utilizing realized and anticipated rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc.

**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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Date-25.09.2020

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**AGROMET ADVISORY BULLETIN FOR MAHANGA**

**District Past week weather condition and Block past Rainfall condition**

The block received 26 mm and district received 56 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. 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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory:** Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block. 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 87-91% and 49-65% 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)				
Date	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall(mm)	12	8	1	2	1
T-Max(°C)	32	34	34	33	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octal)	8	8	6	7	8
RH Max (%)	91	89	87	87	87
RH Min (%)	65	53	52	49	52
Wind Speed (Kmph)	14	9	7	8	6
Wind Direction (deg)	212	248	15	75	120

**Agromet Advisory**

**General Advisory:** Farmers should spray insecticides or pesticides in crops as per requirement mixing with sticker observing the rain. Complete intercultural operations and fertilizer application in arhar, maize and groundnut observing the forecasted rain. Keep watch on the crop. Keep the drainage channels open to drain out excess rain water from upland crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days (today and tomorrow). They should drain out excess water from rice and vegetable field and store in a water harvesting structure for future purpose in dry spell. In fallow uplands, utilizing realized and anticipated rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc.

**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.

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**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

**District Past week weather condition and Block past Rainfall condition**

The block received 120 mm and district received 56 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. 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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory:** Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block. The day temperature will be 32-34°C and night temperature will be 24°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-91% and 47-60% 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)				
	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall(mm)	12	2	2	1	3
T-Max(°C)	32	34	34	33	34
T-Min(°C)	24	24	24	24	24
Cloud Cover(/octa)	8	8	6	7	8
RH Max (%)	91	83	84	86	85
RH Min (%)	60	49	50	47	52
Wind Speed (Kmph)	6	4	5	5	4
Wind Direction (deg)	225	333	18	60	56

**Agromet Advisory**

**General Advisory:** Farmers should spray insecticides or pesticides in crops as per requirement mixing with sticker observing the rain. Complete intercultural operations and fertilizer application in arhar, maize and groundnut observing the forecasted rain. Keep watch on the crop. Keep the drainage channels open to drain out excess rain water from upland crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days (today and tomorrow). They should drain out excess water from rice and vegetable field and store in a water harvesting structure for future purpose in dry spell. In fallow uplands, utilizing realized and anticipated rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc.

**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-127  
Date-25.09.2020

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**AGROMET ADVISORY BULLETIN FOR NIALI**

**District Past week weather condition and Block past Rainfall condition**

The block received 74 mm and district received 56 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. 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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory:** Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block. The day temperature will be 32-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-91% and 56-66% 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	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
<b>Rainfall(mm)</b>	12	8	7	2	5
<b>T-Max(°C)</b>	32	34	33	33	33
<b>T-Min(°C)</b>	25	25	24	25	25
<b>Cloud Cover(octa)</b>	8	8	6	8	8
<b>RH Max (%)</b>	87	88	91	88	89
<b>RH Min (%)</b>	66	58	64	56	56
<b>Wind Speed(Kmph)</b>	15	9	6	8	7
<b>Wind Direction(deg)</b>	207	214	180	45	113

**Agromet Advisory**

**General Advisory:** Farmers should spray insecticides or pesticides in crops as per requirement mixing with sticker observing the rain. Complete inter-cultural operations and fertilizer application in arhar, maize and groundnut observing the forecasted rain. Keep watch on the crop. Keep the drainage channels open to drain out excess rain water from upland crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days (today and tomorrow). They should drain out excess water from rice and vegetable field and store in a water harvesting structure for future purpose in dry spell. In fallow uplands, utilizing realized and anticipated rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc.

**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-127**  
**Date-25.09.2020**

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**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

**District Past week weather condition and Block past Rainfall condition**

The block received 20 mm and district received 56 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. 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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory:** Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block. 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 88-91% and 51-64% 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)				
Date	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall(mm)	10	9	3	2	2
T-Max(°C)	32	34	34	33	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	8	8	6	7	8
RH Max (%)	91	90	88	88	88
RH Min (%)	64	57	54	51	54
Wind Speed (Kmph)	14	8	7	8	6
Wind Direction (deg)	212	243	15	75	338

**Agromet Advisory**

**General Advisory:** Farmers should spray insecticides or pesticides in crops as per requirement mixing with sticker observing the rain. Complete intercultural operations and fertilizer application in arhar, maize and groundnut observing the forecasted rain. Keep watch on the crop. Keep the drainage channels open to drain out excess rain water from upland crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days (today and tomorrow). They should drain out excess water from rice and vegetable field and store in a water harvesting structure for future purpose in dry spell. In fallow uplands, utilizing realized and anticipated rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc.

**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-127**  
**Date-25.09.2020**

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**AGROMET ADVISORY BULLETIN FOR SALEPUR**

**District Past week weather condition and Block past Rainfall condition**

The block received 23 mm and district received 56 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. 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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory:** Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block. 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 87-91% and 50-64% 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)				
	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall(mm)	11	8	2	1	2
T-Max(°C)	32	34	34	33	33
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	8	8	6	7	8
RH Max (%)	91	90	88	87	88
RH Min (%)	64	56	53	50	53
Wind Speed (Kmph)	13	8	7	7	6
Wind Direction (deg)	212	248	15	75	342

**Agromet Advisory**

**General Advisory:** Farmers should spray insecticides or pesticides in crops as per requirement mixing with sticker observing the rain. Complete intercultural operations and fertilizer application in arhar, maize and groundnut observing the forecasted rain. Keep watch on the crop. Keep the drainage channels open to drain out excess rain water from upland crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days (today and tomorrow). They should drain out excess water from rice and vegetable field and store in a water harvesting structure for future purpose in dry spell. In fallow uplands, utilizing realized and anticipated rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc.

**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 Chloropyrifos @ 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 Chlorpyrifos 20EC @ 500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyrifos @ 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 Streptomycin + 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 litre 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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**Date-25.09.2020**

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**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

**District Past week weather condition and Block past Rainfall condition**

The block received 31 mm and district received 56 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. 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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory:** Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block. The day temperature will be 32-34°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-89% and 59-70% 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)				
Date	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall(mm)	12	9	8	2	2
T-Max(°C)	32	34	33	33	34
T-Min(°C)	28	28	27	27	27
Cloud Cover(octa)	8	8	7	8	8
RH Max (%)	82	87	89	89	86
RH Min (%)	70	64	63	61	59
Wind Speed (Kmph)	21	14	8	9	9
Wind Direction (deg)	212	212	161	113	113

**Agromet Advisory**

**General Advisory:** Farmers should spray insecticides or pesticides in crops as per requirement mixing with sticker observing the rain. Complete intercultural operations and fertilizer application in arhar, maize and groundnut observing the forecasted rain. Keep watch on the crop. Keep the drainage channels open to drain out excess rain water from upland crop fields. They should stop irrigation, pesticide and fertilizer application activities on rainy days (today and tomorrow). They should drain out excess water from rice and vegetable field and store in a water harvesting structure for future purpose in dry spell. In fallow uplands, utilizing realized and anticipated rainfall farmers should take up short duration low water requiring crops like black gram, green gram, sesame, fodder etc.

**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 Chloropyrifos @ 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 Chlorpyrifos 20EC @ 500ml/acre to manage the pest. Present weather conditions are favourable for the incidence of **Hispa**. To control, go for spraying of chloropyrifos @ 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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Debasish Jena

SMS (Agrometeorology)

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**GRAMIN KRUSHI MAUSAM SEVA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
**(A Unit of ICAR-National Rice Research Institute)**



**Bulletin No-127**  
**Date-25.09.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

**District Past week weather condition and Block past Rainfall condition**

The block received 90 mm and district received 56 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 25°C, respectively. Relative humidity of the district was around 86-83%. 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: 26<sup>th</sup> September 2020 to 30<sup>th</sup> September 2020**

**Weather advisory:** Moderate rainfall or thundershower is forecasted for today with Very light to light rainfall is forecasted for next 4 days in the block. 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 84-92% and 49-61% 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)				
Date	26/09/2020	27/09/2020	28/09/2020	29/09/2020	30/09/2020
Rainfall(mm)	12	4	2	2	1
00T-Max(°C)	33	33	34	34	33
T-Min(°C)	24	24	24	24	24
Cloud Cover(octa)	8	8	6	8	8
RH Max (%)	92	84	86	86	86
RH Min (%)	61	54	50	49	53
Wind Speed (Kmph)	9	6	6	6	5
Wind Direction (deg)	205	333	18	27	90

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