



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



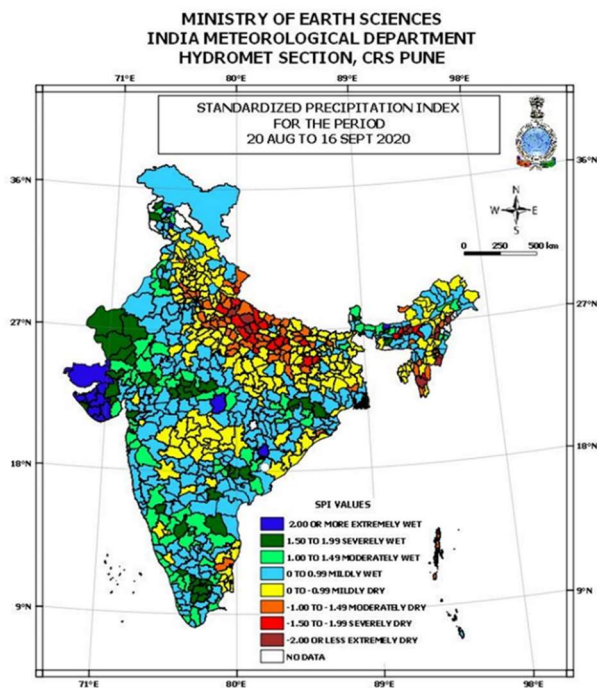
Bulletin No-126
Date-22.09.2020

E-mail: kvkcuttack@gmail.com

AGROCLIMATIC ZONE OF CUTTACK DISTRICT:

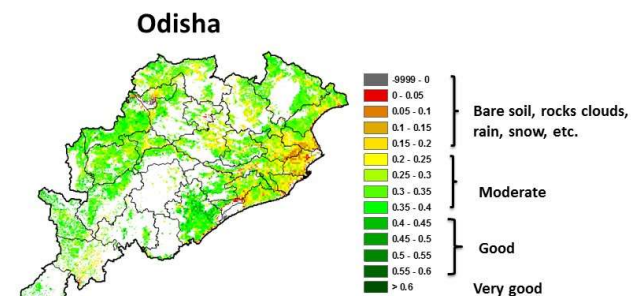
1. East & South East coastal plain zone (Blocks: Banki, Banki-Dampara, Baranga, Cuttack sadar, Salepur, Nischintakoilli, Niali, Kantapada, Mahanga, Tangi-choudwar)
2. Mid central table land zone (Blocks: Narsinghpur, Badamba, Tigiria, Athagad)

STANDARD PRECIPITATION INDEX AND NDVI MAP



As per SPI value (cumulative 4 weeks -20 August 2020 to 16 September 2020), mildly wet condition was there in Cuttack district.

NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 37 (09.09.2020 to 15.09.2020) over Agricultural region



Agriculture vigour is good over isolated places of the state.

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

According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district.

LEGEND

	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)
Contact No-9861445080/7008453427



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AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition and Block past Rainfall condition

The block received 26 mm and district received 49 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 84-79 %. **According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks-20August2020 to 16 September 2020), mildly wet condition was there.**

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: **Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block.** The day temperature will be 31-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-92% and 58-67% 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)				
Date	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall (mm)	8	5	7	11	6
T-Max (°C)	32	33	33	31	31
T-Min (°C)	25	25	25	25	24
Cloud Cover (octa)	8	8	8	8	8
RH Max (%)	89	91	88	92	90
RH Min (%)	59	58	59	64	67
Wind Speed (kmph)	12	10	11	11	9
Wind Direction (deg)	199	207	207	225	290

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 (Friday). 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:** Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre. 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. If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour. If **Thrips** infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25% WG 80g/acre @ 0.4g/lit of water. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If **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: 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 BADAMBA

District Past week weather condition and Block past Rainfall condition

The block received 116 mm and district received 49 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 84-79 %. **According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks-20 August 2020 to 16 September 2020), mildly wet condition was there.**

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 31-33°C and night temperature will be 24°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-92% and 58-64% 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)				
Date	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall(mm)	7	5	8	13	5
T-Max(°C)	32	33	33	31	31
T-Min(°C)	24	24	24	24	24
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	90	92	89	92	89
RH Min (%)	61	58	61	64	64
Wind Speed (Kmph)	10	8	10	10	9
Wind Direction (deg)	199	214	203	234	259

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 (Friday). 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: Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12 kg of urea per acre. 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. If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2 ml/ltr of water to root zone in afternoon hour. If **Thrips** infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25% WG 80g/acre @ 0.4g/lit of water. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If **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: 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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Date-22.09.2020

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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 49 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 84-79 %. According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks-20August2020 to 16 September 2020), mildly wet condition was there.

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 31-33°C and night temperature will be 24°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-91% and 57-64% 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)				
Date	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall(mm)	7	4	8	11	8
T-Max(°C)	32	33	33	31	31
T-Min(°C)	24	24	24	24	24
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	87	91	87	91	89
RH Min (%)	58	57	59	62	64
Wind Speed (Kmph)	13	11	11	12	9
Wind Direction (deg)	199	207	207	212	285

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 (Friday). 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: Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre. 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. If swarming caterpillar found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour. If Thrips infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25%WG 80g/acre @ 0.4g/lit of water. In Gall midge affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If 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

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 diarrhoea. 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-DAMPARA

District Past week weathercondition

The district received 49 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 84-79 %. **According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks–20 August 2020 to 16 September 2020), mildly wet condition was there.**

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 31-33°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-91% and 57-64% 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)				
	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall(mm)	7	4	9	14	6
T-Max(°C)	32	33	33	31	31
T-Min(°C)	25	24	24	24	24
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	87	91	87	91	89
RH Min (%)	58	57	58	63	64
Wind Speed (Kmph)	13	11	11	12	9
Wind Direction (deg)	199	207	207	212	285

Agromet Advisory

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Maize

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.

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AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week weather condition and Block past Rainfall condition

The block received 56 mm and district received 49 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 84-79%. **According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks–20.August2020 to 16 September 2020), mildly wet condition was there.**

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 30-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-89% and 55-64% 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)				
	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall(mm)	9	3	8	10	7
T-Max(°C)	32	33	33	30	31
T-Min(°C)	26	26	26	25	25
Cloud Cover	8	8	8	8	8
RH Max (%)	85	89	86	89	88
RH Min (%)	57	59	55	63	64
Wind Speed (Kmph)	14	14	14	15	10
Wind Direction (deg)	204	203	207	225	289

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 (Friday). 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: Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre. 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. If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour. If **Thrips** infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25% WG 80g/acre @ 0.4g/lit of water. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If **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 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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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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



Bulletin No-126
Date-22.09.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

District Past week weather condition and Block past Rainfall condition

The block received 48 mm and district received 49 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 84-79 %. **According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks-20 August 2020 to 16 September 2020), mildly wet condition was there.**

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 30-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-90% and 57-66% 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)				
Date	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall(mm)	8	5	6	12	6
T-Max(°C)	32	33	33	30	31
T-Min(°C)	26	26	26	25	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	87	90	86	90	89
RH Min (%)	59	59	57	64	66
Wind Speed (Kmph)	14	13	13	14	10
Wind Direction (deg)	203	201	225	225	293

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 (Friday). 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: Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre. 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. If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour. If **Thrips** infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25% WG 80g/acre @ 0.4g/lit of water. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If **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 Chloropyrifos 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. 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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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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



Bulletin No-126
Date-22.09.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition and Block past Rainfall condition

The block received 67 mm and district received 49 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 84-79 %. **According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks-20 August 2020 to 16 September 2020), mildly wet condition was there.**

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 30-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 85-89% and 55-62% 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)				
	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall(mm)	9	4	8	12	6
T-Max(°C)	32	33	34	30	32
T-Min(°C)	27	26	26	26	25
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	83	89	86	85	88
RH Min (%)	56	62	55	62	62
Wind Speed (Kmph)	15	17	15	17	11
Wind Direction (deg)	203	203	207	225	236

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 (Friday). 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: Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12 kg of urea per acre. 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. If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2 ml/ltr of water to root zone in afternoon hour. If **Thrips** infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25% WG 80g/acre @ 0.4g/lit of water. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If **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 Chloropyrifos 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. 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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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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



Bulletin No-126
Date-22.09.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week weather condition and Block past Rainfall condition

The block received 26 mm and district received 49 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 84-79 %. According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks-20 August 2020 to 16 September 2020), mildly wet condition was there.

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 29-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-90% and 57-70% 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	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall (mm)	6	4	7	12	5
T-Max (°C)	32	32	33	30	29
T-Min (°C)	26	26	26	26	25
Cloud Cover (octal)	8	8	8	8	8
RH Max (%)	90	89	86	86	90
RH Min (%)	58	64	57	64	70
Wind Speed (Kmph)	14	15	14	16	12
Wind Direction (deg)	201	201	225	225	236

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 (Friday). 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: Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12 kg of urea per acre. 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. If swarming caterpillar found after the rain water recedes, apply chloropyrifos @ 2 ml/ltr of water to root zone in afternoon hour. If Thrips infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25% WG 80g/acre @ 0.4g/lit of water. In Gall midge affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If 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 Chloropyrifos 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. 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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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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



Bulletin No-126
Date-22.09.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

District Past week weather condition and Block past Rainfall condition

The block received 92 mm and district received 49 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 84-79 %. According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks-20 August 2020 to 16 September 2020), mildly wet condition was there.

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 30-33°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-95% and 60-66% 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	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall(mm)	5	3	5	11	4
T-Max(°C)	31	33	32	31	30
T-Min(°C)	23	24	24	24	23
Cloud Cover(octa)	7	7	8	8	8
RH Max (%)	94	95	91	94	89
RH Min (%)	63	60	60	62	66
Wind Speed (Kmph)	7	5	7	7	7
Wind Direction (deg)	199	203	203	234	257

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 (Friday). 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: Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre. 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. If swarming caterpillar found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour. If Thrips infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25%WG 80g/acre @ 0.4g/lit of water. In Gall midge affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If 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:** 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

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Bulletin No-126
Date-22.09.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition and Block past Rainfall condition

The block received 68 mm and district received 49 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 84-79 %. **According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks-20 August 2020 to 16 September 2020), mildly wet condition was there.**

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 31-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-88% and 56-65% 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	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall(mm)	9	5	7	12	6
T-Max(°C)	33	32	34	31	32
T-Min(°C)	27	26	26	26	25
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	82	88	86	85	88
RH Min (%)	57	64	56	63	65
Wind Speed(Kmph)	17	19	17	19	11
Wind Direction(deg)	203	203	207	225	236

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 (Friday). 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: Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre. 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. If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour. If **Thrips** infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25%WG 80g/acre @ 0.4g/lit of water. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If **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 Chloropyrifos 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. 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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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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



Bulletin No-126
Date-22.09.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week weather condition and Block past Rainfall condition

The block received 20 mm and district received 49 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 84-79 %. According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks–20 August 2020 to 16 September 2020), mildly wet condition was there.

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 30-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-90% and 56-67% 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)				
	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall(mm)	7	4	8	13	6
T-Max(°C)	32	32	33	30	30
T-Min(°C)	26	26	26	26	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	89	88	86	86	90
RH Min (%)	57	64	56	64	67
Wind Speed (Kmph)	14	16	14	16	11
Wind Direction (deg)	203	203	212	225	236

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 (Friday). 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: Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre. 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. If swarming caterpillar found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour. If Thrips infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25%WG 80g/acre @ 0.4g/lit of water. In Gall midge affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If 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 Chloropyrifos 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. 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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KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No-126
Date-22.09.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition and Block past Rainfall condition

The block received 27 mm and district received 49 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 84-79 %. **According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks–20 August 2020 to 16 September 2020), mildly wet condition was there.**

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 30-33°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-90% and 56-67% 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)				
	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall(mm)	8	5	8	12	7
T-Max(°C)	32	32	33	30	30
T-Min(°C)	26	26	26	26	25
Cloud Cover(octa)	8	8	8	8	8
RH Max (%)	89	89	86	86	90
RH Min (%)	57	63	56	64	67
Wind Speed (Kmph)	14	16	14	16	11
Wind Direction (deg)	203	203	212	225	236

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 (Friday). 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: Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre. 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. If **swarming caterpillar** found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour. If **Thrips** infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25%WG 80g/acre @ 0.4g/lit of water. In **Gall midge** affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If **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 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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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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



Bulletin No-126
Date-22.09.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

District Past week weather condition and Block past Rainfall condition

The block received 27 mm and district received 49 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 84-79 %. According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks-20 August 2020 to 16 September 2020), mildly wet condition was there.

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 32-34°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-88% and 60-71% 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)				
	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall(mm)	5	4	9	14	8
T-Max(°C)	33	32	34	32	33
T-Min(°C)	29	28	28	28	27
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	81	85	83	84	88
RH Min (%)	64	71	60	67	66
Wind Speed (Kmph)	21	24	21	23	14
Wind Direction (deg)	203	203	207	238	244

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 (Friday). 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: Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre. 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. If swarming caterpillar found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour. If Thrips infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25%WG 80g/acre @ 0.4g/lit of water. In Gall midge affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If 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: 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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Date-22.09.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition and Block past Rainfall condition

The block received 86 mm and district received 49 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 84-79 %. According to NDVI map (09.09.2020 to 15.09.2020) the agriculture vigor was moderate to good over isolated pockets of Cuttack district whereas according to SPI value (cumulative 4 weeks-20 August 2020 to 16 September 2020), mildly wet condition was there.

Forecasted period: 23rd September 2020 to 27th September 2020

Weather advisory: Moderate rainfall or thundershower is forecasted for Friday with Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 31-33°C and night temperature will be 24°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-92% and 58-66% 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)				
	23/09/2020	24/09/2020	25/09/2020	26/09/2020	27/09/2020
Rainfall(mm)	4	2	7	12	6
00T-Max(°C)	32	33	33	31	31
T-Min(°C)	24	24	24	24	24
Cloud Cover(octa)	7	8	8	8	8
RH Max (%)	89	92	89	92	91
RH Min (%)	60	58	60	65	66
Wind Speed (Kmph)	11	9	10	10	9
Wind Direction (deg)	199	206	203	225	290

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 (Friday). 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: Drain out excess water from the field. Maintain about 5-6 cm standing water during tillering stage. In normal transplanted rice, apply second top dressing of fertilizer at Panicle Initiation stage with 12kg of urea per acre. 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. If swarming caterpillar found after the rain water recedes, apply chloropyrifos @ 2ml/ltr of water to root zone in afternoon hour. If Thrips infestation occurs in this weather condition in paddy, to control thrips in paddy spray thiomethaxome 25%WG 80g/acre @ 0.4g/lit of water. In Gall midge affected areas apply Thiamethoxam 25% WG @ 40g/acre or Fipronil 5% SC @ 400ml/acre or Chlorpyrifos 20EC @ 500ml/acre to manage the pest. If 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: 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 Oxchloride 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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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427