



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

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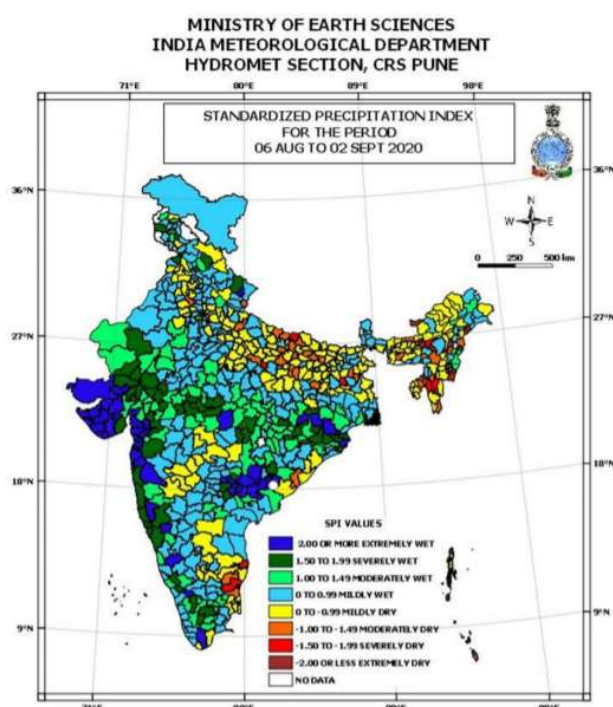
Bulletin No-121
Date-04.09.2020

AGROCLIMATIC ZONE OF CUTTACK DISTRICT:

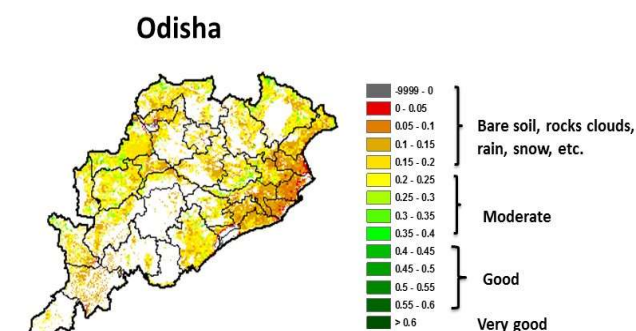
1. East & South East coastal plain zone (Blocks: Banki, Banki-Dampara, Baranga, Cuttack sadar, Salepur, Nischintakoilli, Niali, Kantapada, Mahanga, Tangi-choudwar)
2. Mid central table land zone (Blocks: Narsinghpur, Badamba, Tigiria, Athagad)

STANDARD PRECIPITATION INDEX AND NDVI MAP

Standardised Precipitation Index
for the period 6th August to 2nd September 2020



NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 34
(19.08.2020 to 25.08.2020) over Agricultural region



Agriculture vigour is moderate over the state.

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

As per SPI value (cumulative 4weeks -06August 2020 to 02 September 2020), moderately wet condition was there in Cuttack district.

According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Taangi block in Cuttack district.

Mrs. Sujata Sethy
(Nodal officer)



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 Date-04.09.2020

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AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition and Block past Rainfall condition

The block received 02 mm and district received 04 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 86-74%. According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06 August 2020 to 02 September 2020), Moderately wet condition was there.

Forecasted period: 05th September 2020 to 09th September 2020

Weather advisory: Very light to light rainfall is forecasted for today to Monday and light to moderate rainfall is forecasted for Tuesday. (There may be chances of thundershower in Cuttack district on day 3rd and 4th, for more update follow now cast warnings) The day temperature will 33-35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-92% and 53-55% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be below normal rainfall over Odisha state in the upcoming week (09th September- 15th September) i.e -34.4% departure from normal.

lock	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall (mm)	2	2	9	8	12
T-Max (°C)	33	34	34	35	35
T-Min (°C)	24	24	25	25	25
Cloud Cover (octa)	4	5	8	8	8
RH Max (%)	92	89	89	91	91
RH Min (%)	55	54	55	55	53
Wind Speed (kmph)	11	11	12	10	12
Wind Direction (deg)	203	203	203	203	201

Agromet Advisory

General Advisory: Drain out excess water in standing rice and vegetable crop as there was flooding condition in last week.

- Resume spraying and fertilization in dry days.
- By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell

Kharif Rice: The crop is at active tillering stage. Maintain about 2-3 cm standing water during tillering stage. 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 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 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/litre or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. As temperature is likely to increase 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.

Maize: Do not keep the stagnant water. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to climate there may be Aphids and Thrips attack, then apply Dimethoate 30EC @ 400ml/Acre .. Helicoverpa infestation has been found in Maize, Spray 100 L.E. NPV during morning and evening. Maize crop has been infested with stem borer, Apply 1 g Furadan in the leaf whorl. Otherwise spray 2 ml. chloropyrifos or 1.5 ml phosphamidon in 1 litre water. Again repeat the spraying once again after 15 days of first spraying.

Groundnut: There is possibility of leaf spot disease attack, to control spray Carbendazime+ Mancozeb @ 2g/ lit of water. To control it use 10-15 yellow sticky trap per acre of land. In the present weather condition there is aphid infestation in groundnut. To control spray Imidacloprid @ 1 ml / 4 litre of water. White ant and white grub attack has been found. Through soil drenching with Chloropyrifos solution @ 2ml/litre water. Bud necrosis has been found. Spray 2 ml. Endosulphan / litre .Infestation of leaf minor, leaf webber has been occurred. Spray 2 ml Endosulphan in 1 litre water.

VEGETABLES: Drain out excess water from the field. If infestation of whitefly, Aphid, leaf hopper in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray thiomethoxam 0.4 g/l of water. Due to rain and high humid condition during last week, wilting is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop. Present less rainfall weather conditions are favourable for incidence of thrips, spodoptera/helicoverpa in chilli, to control thrips, spray acephate @ 1.5 g (or) fipronil @ 2 ml (or) spinosad @ 0.25 ml (or) diafenthiuron @ 1.5 g per litre of water. To control spodoptera/helicoverpa, spray thiodicarb @ 1g (or) spinosad @ 0.25 ml (or) chlorpyrifos @ 2.5 ml per litre of water.

ANIMAL HUSBANDRY: 1. Cleaning and disinfection of the sheds are to be carried out. 2. Bleach drinking water or water sources 3. Cultivate short term fodders 5. Drying of harvested crop material and storage should be done for use as fodder 6. Keep close surveillance on disease outbreak.

Mrs. Sujata Sethy
 (Nodal officer)



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 Date-04.09.2020

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AGROMET ADVISORY BULLETIN FOR BADAMBA

District Past week weather condition and Block past Rainfall condition

The block received 18 mm and district received 04 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 86-74%. According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06 August 2020 to 02 September 2020), Moderately wet condition was there.

Forecasted period: 05th September 2020 to 09th September 2020

Weather advisory: Very light to light rainfall is forecasted for today to Monday and light to moderate rainfall is forecasted for Tuesday. (There may be chances of thundershower in Cuttack district on day 3rd and 4th, for more update follow now cast warnings) The day temperature will 33-35°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 89-92% and 53-56% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be below normal rainfall over Odisha state in the upcoming week (09th September- 15th September) i.e -34.4% departure from normal.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall(mm)	2	7	8	8	10
T-Max(°C)	33	35	34	35	35
T-Min(°C)	23	23	24	25	25
Cloud Cover(octa)	4	5	8	8	8
RH Max (%)	91	90	89	92	90
RH Min (%)	55	55	53	56	53
Wind Speed (Kmph)	9	9	10	8	9
Wind Direction (deg)	199	201	204	204	199

Agromet Advisory

General Adviosry: Drain out excess water in standing rice and vegetable crop as there was **flooding condition** in last week.

- Resume spraying and fertilization in dry days.
- By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell

Kharif Rice: The crop is at active tillering stage. Maintain about 2-3 cm standing water during tillering stage. 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 **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** 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. As temperature is likely to increase **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.

Maize Do not keep the stagnant water. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to climate there may be Aphids and Thrips attack, then apply Dimethoate 30EC @ 400ml/Acre .. Helicoverpa infestation has been found in Maize, Spray 100 L.E. NPV during morning and evening. Maize crop has been infested with stem borer, Apply 1 g Furadan in the leaf whorl. Otherwise spray 2 ml. chloropyrifos or 1.5 ml phosphamidon in 1 litre water. Again repeat the spraying once again after 15 days of first spraying.

Groundnut: There is possibility of leaf spot disease attack, to control spray Carbendazyme+ Mancozeb @ 2g/ lit of water. To control it use 10-15 yellow sticky trap per acre of land. In the present weather condition there is aphid infestation in groundnut. To control spray Imidacloprid @ 1 ml / 4 litre of water. White ant and white grub attack has been found. Through soil drenching with Chloropyrifos solution @ 2ml/litre water. Bud necrosis has been found. Spray 2 ml. Endosulphan / litre .Infestation of leaf minor, leaf webber has been occurred. Spray 2 ml Endosulphan in 1 litre water.

VEGETABLES: Drain out excess water from the field. If infestation of **whitefly, Aphid, leaf hopper** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray thiomethoxam 0.4 g/l of water. Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop. Present less rainfall weather conditions are favourable for incidence of **thrips, spodoptera/helicoverpa** in chilli, to control thrips, spray acephate @ 1.5 g (or) fipronil @ 2 ml (or) spinosad @ 0.25 ml (or) diafenthiuron @ 1.5 g per litre of water. To control spodoptera/helicoverpa, spray thiodicarb @ 1g (or) spinosad @ 0.25 ml (or) chlorpyrifos @ 2.5 ml per litre of water.

ANIMAL HUSBANDRY: In partial flooded areas, following practices are to be adopted after recede of water. 1. Cleaning and disinfection of the sheds are to be carried out. 2. Bleach drinking water or water sources 3. Cultivate short term fodders 5. Drying of harvested crop material and storage should be done for use as fodder 6. Keep close surveillance on disease outbreak.

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 (Nodal officer)



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Bulletin No-121
 Date-04.09.2020

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AGROMET ADVISORY BULLETIN FOR BANKI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 04 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 86-74%. According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06 August 2020 to 02 September 2020), Moderately wet condition was there.

Forecasted period: 05th September 2020 to 09th September 2020

Weather advisory: Very light to light rainfall is forecasted for today to Monday and light to moderate rainfall is forecasted for Tuesday. (There may be chances of thundershower in Cuttack district on day 3rd and 4th, for more update follow now cast warnings) The day temperature will be 33-35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-90% and 51-55% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be below normal rainfall over Odisha state in the upcoming week (09th September- 15th September) i.e -34.4% departure from normal.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall(mm)	2	2	8	9	11
T-Max(°C)	33	34	34	35	35
T-Min(°C)	24	24	25	25	25
Cloud Cover(octa)	4	5	8	8	8
RH Max (%)	90	89	88	90	90
RH Min (%)	55	53	53	54	51
Wind Speed (Kmph)	11	11	13	11	12
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General Adviosry: Drain out excess water in standing rice and vegetable crop as there was **flooding condition** in last week.

- Resume spraying and fertilization in dry days.
- By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell

Kharif Rice: The crop is at active tillering stage. Maintain about 2-3 cm standing water during tillering stage. 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 **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** 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. As temperature is likely to increase **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.

Maize Do not keep the stagnant water. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to climate there may be Aphids and Thrips attack, then apply Dimethoate 30EC @ 400ml/Acre .. Helicoverpa infestation has been found in Maize, Spray 100 L.E. NPV during morning and evening. Maize crop has been infested with stem borer, Apply 1 g Furadan in the leaf whorl. Otherwise spray 2 ml. chloropyrifos or 1.5 ml phosphamidon in 1 litre water. Again repeat the spraying once again after 15 days of first spraying. **Groundnut:** There is possibility of leaf spot disease attack, to control spray Carbendazyme+ Mancozeb @ 2g/ lit of water. To control it use 10-15 yellow sticky trap per acre of land. In the present weather condition there is aphid infestation in groundnut. To control spray Imidacloprid @ 1 ml / 4 litre of water. White ant and white grub attack has been found. Through soil drenching with Chloropyrifos solution @ 2ml/litre water. Bud necrosis has been found. Spray 2 ml. Endosulphan / litre .Infestation of leaf minor, leaf webber has been occurred. Spray 2 ml Endosulphan in 1 litre water.

VEGETABLES: Drain out excess water from the field. If infestation of **whitefly, Aphid, leaf hopper** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray thiomethoxam 0.4 g/l of water. Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop. Present less rainfall weather conditions are favourable for incidence of **thrips, spodoptera/helicoverpa** in chilli, to control thrips, spray acephate @ 1.5 g (or) fipronil @ 2 ml (or) spinosad @ 0.25 ml (or) diafenthiuron @ 1.5 g per litre of water. To control spodoptera/helicoverpa, spray thiodicarb @ 1g (or) spinosad @ 0.25 ml (or) chlorpyrifos @ 2.5 ml per litre of water.

ANIMAL HUSBANDRY: In partial flooded areas, following practices are to be adopted after recede of water. 1. Cleaning and disinfection of the sheds are to be carried out. 2. Bleach drinking water or water sources 3. Cultivate short term fodders 5. Drying of harvested crop material and storage should be done for use as fodder 6. Keep close surveillance on disease outbreak.

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 Date-04.09.2020

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AGROMET ADVISORY BULLETIN FOR BANKI- DAMPARA

District Past week weather condition

The district received 04 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 86-74%. According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06 August 2020 to 02 September 2020), Moderately wet condition was there.

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Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall(mm)	2	3	9	8	12
T-Max(°C)	33	34	34	35	35
T-Min(°C)	24	24	25	25	25
Cloud Cover(octa)	4	5	8	8	8
RH Max (%)	91	89	88	90	90
RH Min (%)	55	53	54	55	52
Wind Speed (Kmph)	11	12	13	11	12
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General Advisory: Drain out excess water in standing rice and vegetable crop as there was flooding condition in last week.

- Resume spraying and fertilization in dry days.
- By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell

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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-121
 Date-04.09.2020

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AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 04 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 86-74%. According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06 August 2020 to 02 September 2020), Moderately wet condition was there.

Forecasted period: 05th September 2020 to 09th September 2020

Weather advisory: Very light to light rainfall is forecasted for today to Sunday and light to moderate rainfall is forecasted for Monday & Tuesday (There may be chances of thundershower in Cuttack district on day 3rd and 4th, for more update follow now cast warnings). The day temperature will be 33-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 87-91% and 52-56% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be below normal rainfall over Odisha state in the upcoming week (09th September- 15th September) i.e -34.4% departure from normal.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall(mm)	2	3	9	10	12
T-Max(°C)	33	34	34	34	35
T-Min(°C)	25	25	26	26	26
Cloud Cover	4	5	8	8	8
RH Max (%)	91	87	87	87	91
RH Min (%)	55	52	54	56	55
Wind Speed (Kmph)	13	15	17	15	15
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General Adviosry: Drain out excess water in standing rice and vegetable crop as there was **flooding condition** in last week.

- Resume spraying and fertilization in dry days.
- By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell

Kharif Rice: The crop is at active tillering stage. Maintain about 2-3 cm standing water during tillering stage. 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 **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** 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. As temperature is likely to increase **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.

Maize Do not keep the stagnant water. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to climate there may be Aphids and Thrips attack, then apply Dimethoate 30EC @ 400ml/Acre .. Helicoverpa infestation has been found in Maize, Spray 100 L.E. NPV during morning and evening. Maize crop has been infested with stem borer, Apply 1 g Furadan in the leaf whorl. Otherwise spray 2 ml. chloropyrifos or 1.5 ml phosphamidon in 1 litre water. Again repeat the spraying once again after 15 days of first spraying. **Groundnut:** There is possibility of leaf spot disease attack, to control spray Carbendazyme+ Mancozeb @ 2g/ lit of water. To control it use 10-15 yellow sticky trap per acre of land. In the present weather condition there is aphid infestation in groundnut. To control spray Imidacloprid @ 1 ml / 4 litre of water. White ant and white grub attack has been found. Through soil drenching with Chloropyrifos solution @ 2ml/litre water. Bud necrosis has been found. Spray 2 ml. Endosulphan / litre .Infestation of leaf minor, leaf webber has been occurred. Spray 2 ml Endosulphan in 1 litre water.

VEGETABLES: Drain out excess water from the field. If infestation of **whitefly, Aphid, leaf hopper** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray thiomethoxam 0.4 g/l of water. Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop. Present less rainfall weather conditions are favourable for incidence of **thrips, spodoptera/helicoverpa** in chilli, to control thrips, spray acephate @ 1.5 g (or) fipronil @ 2 ml (or) spinosad @ 0.25 ml (or) diafenthiuron @ 1.5 g per litre of water. To control spodoptera/helicoverpa, spray thiodicarb @ 1g (or) spinosad @ 0.25 ml (or) chlorpyrifos @ 2.5 ml per litre of water.

ANIMAL HUSBANDRY: In partial flooded areas, following practices are to be adopted after recede of water. 1. Cleaning and disinfection of the sheds are to be carried out. 2. Bleach drinking water or water sources 3. Cultivate short term fodders 5. Drying of harvested crop material and storage should be done for use as fodder 6. Keep close surveillance on disease outbreak.

Mrs. Sujata Sethy
 (Nodal officer)



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Bulletin No-121
 Date-04.09.2020

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AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 04 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 86-74%. According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06 August 2020 to 02 September 2020), Moderately wet condition was there.

Forecasted period: 05th September 2020 to 09th September 2020

Weather advisory: Very light to light rainfall is forecasted for today to Monday and light to moderate rainfall is forecasted for Tuesday (There may be chances of thundershower in Cuttack district on day 3rd and 4th, for more update follow now cast warnings). The day temperature will be 33-35°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-92% and 53-56% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be below normal rainfall over Odisha state in the upcoming week (09th September- 15th September) i.e -34.4% departure from normal.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall(mm)	2	2	9	8	11
T-Max(°C)	33	34	34	35	35
T-Min(°C)	24	25	26	26	26
Cloud Cover(octa)	4	5	8	8	8
RH Max (%)	92	88	88	89	91
RH Min (%)	55	53	55	56	54
Wind Speed (Kmph)	12	14	15	13	14
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General Advisory: Drain out excess water in standing rice and vegetable crop as there was flooding condition in last week.

- Resume spraying and fertilization in dry days.
- By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell.

Kharif Rice: The crop is at active tillering stage. Maintain about 2-3 cm standing water during tillering stage. 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 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 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/litre or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. As temperature is likely to increase 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.

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.

Groundnut: There is possibility of leaf spot disease attack, to control spray Carbendazyme+ Mancozeb @ 2g/ lit of water. To control it use 10-15 yellow sticky trap per acre of land. In the present weather condition there is aphid infestation in groundnut. To control spray Imidacloprid @ 1 ml / 4 litre of water. White ant and white grub attack has been found. Through soil drenching with Chloropyrifos solution @ 2ml/litre water. Bud necrosis has been found. Spray 2 ml. Endosulphan / litre. Infestation of leaf minor, leaf webber has been occurred. Spray 2 ml Endosulphan in 1 litre water.

VEGETABLES: Drain out excess water from the field. If infestation of whitefly, Aphid, leaf hopper in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray thiomethoxam 0.4 g/l of water. Due to rain and high humid condition during last week, wilting is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop. Present less rainfall weather conditions are favourable for incidence of thrips, spodoptera/helicoverpa in chilli, to control thrips, spray acephate @ 1.5 g (or) fipronil @ 2 ml (or) spinosad @ 0.25 ml (or) diafenthiuron @ 1.5 g per litre of water. To control spodoptera/helicoverpa, spray thiodicarb @ 1g (or) spinosad @ 0.25 ml (or) chlorpyrifos @ 2.5 ml per litre of water.

ANIMAL HUSBANDRY: In partial flooded areas, following practices are to be adopted after recede of water. 1. Cleaning and disinfection of the sheds are to be carried out. 2. Bleach drinking water or water sources 3. Cultivate short term fodders 5. Drying of harvested crop material and storage should be done for use as fodder 6. Keep close surveillance on disease outbreak.

Mrs. Sujata Sethy
 (Nodal officer)



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Bulletin No-121
Date-04.09.2020

E-mail: kvkcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 04 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 86-74%. According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06 August 2020 to 02 September 2020), Moderately wet condition was there.

Forecasted period: 05th September 2020 to 09th September 2020

Weather advisory: Very light to light rainfall is forecasted for today to Sunday and light to moderate rainfall is forecasted for Monday & Tuesday (There may be chances of thundershower in Cuttack district on day 3rd and 4th, for more update follow now cast warnings). The day temperature will be 33-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-92% and 52-60% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be below normal rainfall over Odisha state in the upcoming week (09th September- 15th September) i.e -34.4% departure from normal.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall(mm)	2	6	9	11	13
T-Max(°C)	33	34	34	33	35
T-Min(°C)	25	26	26	26	26
Cloud Cover(octa)	4	5	7	8	8
RH Max (%)	89	88	87	88	92
RH Min (%)	55	52	57	60	59
Wind Speed (Kmph)	13	17	19	18	16
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General Advisory: Drain out excess water in standing rice and vegetable crop as there was **flooding condition** in last week.

- Resume spraying and fertilization in dry days.
- By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell.

Kharif Rice: The crop is at active tillering stage. Maintain about 2-3 cm standing water during tillering stage. If there is **stem borer infestation** spray Chlorpyrifos @ 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 chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour. 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** 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. As temperature is likely to increase **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.

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 Chlorpyrifos or Quinalophos @ 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.

Jute: Excess water in the field decreases the quality of jute. Hence, drain excess water from the field. To control jute semi-looper apply 400ml Chlorpyrifos + Cypermethrin per acre or Quinalphos in 200 ml of water. Current rainy weather is favorable for attack of Bihari hair caterpillar and other foliage feeders. To control these insects, spray Lamba cyhalothrin 4.9CS.

VEGETABLES:

Drain out excess water from the field. If infestation of **whitefly, Aphid, leaf hopper** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray thiomethoxam 0.4 g/l of water. Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop. Present less rainfall weather conditions are favourable for incidence of **thrips, spodoptera/helicoverpa** in chilli, to control thrips, spray acephate @ 1.5 g (or) fipronil @ 2 ml (or) spinosad @ 0.25 ml (or) diafenthiuron @ 1.5 g per litre of water. To control spodoptera/helicoverpa, spray thiodicarb @ 1g (or) spinosad @ 0.25 ml (or) chlorpyrifos @ 2.5 ml per litre of water.

ANIMAL HUSBANDRY: In partial flooded areas, following practices are to be adopted after recede of water. 1. Cleaning and disinfection of the sheds are to be carried out. 2. Bleach drinking water or water sources. 3. Cultivate short term fodders. 5. Drying of harvested crop material and storage should be done for use as fodder. 6. Keep close surveillance on disease outbreak.

Mrs. Sujata Sethy
(Nodal officer)



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Date-04.09.2020

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AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 04 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 86-74%. According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06 August 2020 to 02 September 2020), Moderately wet condition was there.

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Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall(mm)	2	5	9	10	13
T-Max(°C)	32	34	34	34	35
T-Min(°C)	25	26	26	26	26
Cloud Cover(octal)	4	5	8	8	8
RH Max (%)	91	88	88	88	91
RH Min (%)	56	54	55	57	56
Wind Speed (Kmph)	13	16	17	16	15
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General Adviosry: Drain out excess water in standing rice and vegetable crop as there was **flooding condition** in last week.

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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.

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VEGETABLES: Drain out excess water from the field. If infestation of **whitefly, Aphid, leaf hopper** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray thiomethoxam 0.4 g/l of water. Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop. Present less rainfall weather conditions are favourable for incidence of **thrips, spodoptera/helicoverpa** in chilli, to control thrips, spray acephatae @ 1.5 g (or) fipronil @ 2 ml (or) spinosad @ 0.25 ml (or) diafenthiuron @ 1.5 g per litre of water. To control spodoptera/helicoverpa, spray thiodicarb @ 1g (or) spinosad @ 0.25 ml (or) chlorpyrifos @ 2.5 ml per litre of water.

ANIMAL HUSBANDRY: In partial flooded areas, following practices are to be adopted after recede of water. 1. Cleaning and disinfection of the sheds are to be carried out. 2. Bleach drinking water or water sources 3. Cultivate short term fodders 5. Drying of harvested crop material and storage should be done for use as fodder 6. Keep close surveillance on disease outbreak.

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Date-04.09.2020

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AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

District Past week weather condition and Block past Rainfall condition

The block received 34 mm and district received 04 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 86-74%. **According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06 August 2020 to 02 September 2020), Moderately wet condition was there.**

Forecasted period: 05th September 2020 to 09th September 2020

Weather advisory: Very light to light rainfall is forecasted for today to Monday and light to moderate rainfall is forecasted for Tuesday (There may be chances of thundershower in Cuttack district on day 3rd and 4th, for more update follow now cast warnings). The day temperature will be 34-36°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-93% and 52-59% respectively. There will be partly cloudy to overcast sky for next 5 days. **There will be below normal rainfall over Odisha state in the upcoming week (09th September- 15th September) i.e -34.4% departure from normal.**

Block	Narsinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall(mm)	2	9	8	6	11
T-Max(°C)	34	36	35	34	36
T-Min(°C)	23	23	24	25	25
Cloud Cover(/octa)	4	5	8	8	8
RH Max (%)	93	93	90	91	90
RH Min (%)	55	54	52	59	54
Wind Speed (Kmph)	7	5	6	6	6
Wind Direction (deg)	191	199	214	225	180

Agromet Advisory

General Adviosry: Drain out excess water in standing rice and vegetable crop as there was **flooding condition** in last week.

- Resume spraying and fertilization in dry days.
- By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell

Kharif Rice: The crop is at active tillering stage. Maintain about 2-3 cm standing water during tillering stage. 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 **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** 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. As temperature is likely to increase **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.

Maize Do not keep the stagnant water. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to climate there may be Aphids and Thrips attack, then apply Dimethoate 30EC @ 400ml/Acre .. Helicoverpa infestation has been found in Maize, Spray 100 L.E. NPV during morning and evening. Maize crop has been infested with stem borer, Apply 1 g Furadan in the leaf whorl. Otherwise spray 2 ml. chloropyrifos or 1.5 ml phosphamidon in 1 litre water. Again repeat the spraying once again after 15 days of first spraying. **Groundnut:** There is possibility of leaf spot disease attack, to control spray Carbendazyme+ Mancozeb @ 2g/ lit of water. To control it use 10-15 yellow sticky trap per acre of land. In the present weather condition there is aphid infestation in groundnut. To control spray Imidacloprid @ 1 ml / 4 litre of water. White ant and white grub attack has been found. Through soil drenching with Chloropyrifos solution @ 2ml/litre water. Bud necrosis has been found. Spray 2 ml. Endosulphan / litre .Infestation of leaf minor, leaf webber has been occurred. Spray 2 ml Endosulphan in 1 litre water.

VEGETABLES: Drain out excess water from the field. If infestation of **whitefly, Aphid, leaf hopper** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray thiomethoxam 0.4 g/l of water. Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop. Present less rainfall weather conditions are favourable for incidence of **thrips, spodoptera/helicoverpa** in chilli, to control thrips, spray acephate @ 1.5 g (or) fipronil @ 2 ml (or) spinosad @ 0.25 ml (or) diafenthiuron @ 1.5 g per litre of water. To control spodoptera/helicoverpa, spray thiodicarb @ 1g (or) spinosad @ 0.25 ml (or) chlorpyrifos @ 2.5 ml per litre of water.

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-121
Date-04.09.2020

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AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 04 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 86-74%. According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06 August 2020 to 02 September 2020), Moderately wet condition was there.

Forecasted period: 05th September 2020 to 09th September 2020

Weather advisory: Very light to light rainfall is forecasted for today to Sunday and light to moderate rainfall is forecasted for Monday & Tuesday (There may be chances of thundershower in Cuttack district on day 3rd and 4th, for more update follow now cast warnings). The day temperature will be 33-34°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-91% and 54-63% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be below normal rainfall over Odisha state in the upcoming week (09th September- 15th September) i.e -34.4% departure from normal.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall(mm)	2	4	9	10	14
T-Max(°C)	33	34	33	33	34
T-Min(°C)	25	26	26	27	26
Cloud Cover(octa)	4	5	7	7	8
RH Max (%)	87	87	86	87	91
RH Min (%)	56	54	60	63	59
Wind Speed(Kmph)	14	18	21	19	18
Wind Direction(deg)	203	203	203	203	203

Agromet Advisory

General Advisory: Drain out excess water in standing rice and vegetable crop as there was **flooding condition** in last week.

- Resume spraying and fertilization in dry days.
- By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell

Kharif Rice: The crop is at active tillering stage. Maintain about 2-3 cm standing water during tillering stage. If there is **stem borer infestation** spray Chlorpyrifos @ 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 chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour. 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** 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. As temperature is likely to increase **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.

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 Chlorpyrifos 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. **Groundnut:** There is possibility of leaf spot disease attack, to control spray Carbendazime+ Mancozeb @ 2g/ lit of water. To control it use 10-15 yellow sticky trap per acre of land. In the present weather condition there is aphid infestation in groundnut. To control spray Imidacloprid @ 1 ml / 4 litre of water. White ant and white grub attack has been found. Through soil drenching with Chlorpyrifos solution @ 2ml/litre water. Bud necrosis has been found. Spray 2 ml. Endosulphan / litre. Infestation of leaf minor, leaf webber has been occurred. Spray 2 ml Endosulphan in 1 litre water. **VEGETABLES:** Drain out excess water from the field. If infestation of **whitefly, Aphid, leaf hopper** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray thiomethoxam 0.4 g/l of water. Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop. Present less rainfall weather conditions are favourable for incidence of **thrips, spodoptera/helicoverpa** in chilli, to control thrips, spray acephatae @ 1.5 g (or) fipronil @ 2 ml (or) spinosad @ 0.25 ml (or) diafenthiuron @ 1.5 g per litre of water. To control spodoptera/helicoverpa, spray thiodicarb @ 1g (or) spinosad @ 0.25 ml (or) chlorpyrifos @ 2.5 ml per litre of water.

ANIMAL HUSBANDRY: In partial flooded areas, following practices are to be adopted after recede of water. 1. Cleaning and disinfection of the sheds are to be carried out. 2. Bleach drinking water or water sources 3. Cultivate short term fodders 5. Drying of harvested crop material and storage should be done for use as fodder 6. Keep close surveillance on disease outbreak.

Mrs. Sujata Sethy
(Nodal officer)



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Bulletin No-121
 Date-04.09.2020

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AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week weather condition and Block past Rainfall condition

The block received 0 mm and district received 04 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 86-74%. According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06 August 2020 to 02 September 2020), Moderately wet condition was there.

Forecasted period: 05th September 2020 to 09th September 2020

Weather advisory: Very light to light rainfall is forecasted for today to Monday and light to moderate rainfall is forecasted for Tuesday (There may be chances of thundershower in Cuttack district on day 3rd and 4th, for more update follow now cast warnings). The day temperature will 33-35°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-92% and 53-57% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be below normal rainfall over Odisha state in the upcoming week (09th September- 15th September) i.e -34.4% departure from normal.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall(mm)	2	6	9	6	13
T-Max(°C)	33	34	34	34	35
T-Min(°C)	25	26	26	27	26
Cloud Cover(octa)	4	5	8	8	8
RH Max (%)	91	88	88	88	92
RH Min (%)	57	53	55	57	56
Wind Speed (Kmph)	13	16	18	17	15
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General Advisory: Drain out excess water in standing rice and vegetable crop as there was flooding condition in last week.

- Resume spraying and fertilization in dry days.
- By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell.

Kharif Rice: The crop is at active tillering stage. Maintain about 2-3 cm standing water during tillering stage. If there is stem borer infestation spray Chlorpyrifos @ 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 chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour. 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 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/litre or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. As temperature is likely to increase 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.

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 Chlorpyrifos or Quinalphos @ 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.

Jute: Excess water in the field decreases the quality of jute. Hence, drain excess water from the field. To control jute semi-looper apply 400ml Chlorpyrifos + Cypermethrin per acre or Quinalphos in 200 ml of water. Current rainy weather is favorable for attack of Bihari hair caterpillar and other foliage feeders. To control these insects, spray Lambda cyhalothrin 4.9CS.

VEGETABLES: Drain out excess water from the field. If infestation of whitefly, Aphid, leaf hopper in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray thiomethoxam 0.4 g/l of water. Due to rain and high humid condition during last week, wilting is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin + Thiram @ 400g or Metalaxyl 8% + Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop. Present less rainfall weather conditions are favourable for incidence of thrips, spodoptera/helicoverpa in chilli, to control thrips, spray acephate @ 1.5 g (or) fipronil @ 2 ml (or) spinosad @ 0.25 ml (or) diafenthiuron @ 1.5 g per litre of water. To control spodoptera/helicoverpa, spray thiodicarb @ 1g (or) spinosad @ 0.25 ml (or) chlorpyrifos @ 2.5 ml per litre of water.

ANIMAL HUSBANDRY: In partial flooded areas, following practices are to be adopted after recede of water. 1. Cleaning and disinfection of the sheds are to be carried out. 2. Bleach drinking water or water sources. 3. Cultivate short term fodders. 5. Drying of harvested crop material and storage should be done for use as fodder. 6. Keep close surveillance on disease outbreak.

Mrs. Sujata Sethy
 (Nodal officer)



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Bulletin No-121
 Date-04.09.2020

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AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition and Block past Rainfall condition

The block received 03 mm and district received 04 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 86-74%. According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06.August 2020 to 02 September 2020), Moderately wet condition was there.

Forecasted period: 05th September 2020 to 09th September 2020

Weather advisory: Very light to light rainfall is forecasted for today to Monday and light to moderate rainfall is forecasted for Tuesday (There may be chances of thundershower in Cuttack district on day 3rd and 4th, for more update follow now cast warnings). The day temperature will be 33-35°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 88-92% and 53-57% respectively. There will be partly cloudy to overcast sky for next 5days. There will be below normal rainfall over Odisha state in the upcoming week (09th September- 15th September) i.e -34.4% departure from normal.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall(mm)	2	6	9	6	13
T-Max(°C)	33	34	34	34	35
T-Min(°C)	25	26	26	27	26
Cloud Cover(octa)	4	5	8	8	8
RH Max (%)	91	88	88	88	92
RH Min (%)	56	53	55	57	55
Wind Speed (Kmph)	13	16	17	16	15
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General Advisory: Drain out excess water in standing rice and vegetable crop as there was flooding condition in last week.

- Resume spraying and fertilization in dry days.
- By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell

Kharif Rice: The crop is at active tillering stage. Maintain about 2-3 cm standing water during tillering stage. If there is stem borer infestation spray Chlorpyrifos @ 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 chlorpyrifos @ 2ml/ltr of water to root zone in afternoon hour. 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 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/litre or Tricyclazole 75 WP @ 0.6 g/lit of water may be done for controlling the disease. As temperature is likely to increase 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.

Maize Do not keep the stagnant water. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to climate there may be Aphids and Thrips attack, then apply Dimethoate 30EC @ 400ml/Acre .. Helicoverpa infestation has been found in Maize Spray 100 L.E. NPV during morning and evening. Maize crop has been infested with stem borer, Apply 1 g Furadan in the leaf whorl. Otherwise spray 2 ml chlorpyrifos or 1.5 ml phosphamidon in 1 litre water. Again repeat the spraying once again after 15 days of first spraying.

Jute: Excess water in the field decreases the quality of jute. Hence, drain excess water from the field. To control jute semi-looper apply 400ml Chlorpyrifos + Cypermethrin per acre or Quinalphos in 200 ml of water. Current rainy weather is favorable for attack of Bihari hair caterpillar and other foliage feeders. To control these insects, spray Lamba cyhalothrin 4.9CS.

VEGETABLES: Drain out excess water from the field. If infestation of whitefly, Aphid, leaf hopper in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray thiomethoxam 0.4 g/l of water. Due to rain and high humid condition during last week, wilting is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline @ 20g with Carboxin+Thiram @ 400g or Metalaxyl 8%+Mancozeb 64% WP @ 400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop. Present less rainfall weather conditions are favourable for incidence of thrips, spodoptera/helicoverpa in chilli, to control thrips, spray acephate @ 1.5 g (or) fipronil @ 2 ml (or) spinosad @ 0.25 ml (or) diafenthiuron @ 1.5 g per litre of water. To control spodoptera/helicoverpa, spray thiodicarb @ 1g (or) spinosad @ 0.25 ml (or) chlorpyrifos @ 2.5 ml per litre of water.

ANIMAL HUSBANDRY: In partial flooded areas, following practices are to be adopted after recede of water. 1. Cleaning and disinfection of the sheds are to be carried out. 2. Bleach drinking water or water sources 3. Cultivate short term fodders 5. Drying of harvested crop material and storage should be done for use as fodder 6. Keep close surveillance on disease outbreak.

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AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition and Block past Rainfall condition

The block received 02 mm and district received 04 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 86-74%. *According to NDVI map (19.08.2020 to 25.08.2020) the agriculture vigor was moderate to less over maximum blocks and moderate over some part of Narsinghpur, Badamba, Athagad, Banki-Dampada, Tangi block in Cuttack district. Whereas according to SPI value (cumulative 4 weeks – 06August 2020 to 02 September 2020), Moderately wet condition was there.*

Forecasted period: 05th September 2020 to 09th September 2020

Weather advisory: Very light to light rainfall is forecasted for today to Monday and light to moderate rainfall is forecasted for Tuesday (There may be chances of thundershower in Cuttack district on day 3rd and 4th, for more update follow now cast warnings). The day temperature will be 33-35°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 90-92% and 52-55% respectively. There will be partly cloudy to overcast sky for next 5days. *There will be below normal rainfall over Odisha state in the upcoming week (09th September- 15th September) i.e -34.4% departure from normal.*

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	05/09/2020	06/09/2020	07/09/2020	08/09/2020	09/09/2020
Rainfall(mm)	2	3	9	7	10
00T-Max(°C)	33	35	34	35	35
T-Min(°C)	23	24	25	25	25
Cloud Cover(octa)	4	5	8	8	8
RH Max (%)	91	90	90	92	90
RH Min (%)	55	54	54	55	52
Wind Speed (Kmph)	10	10	11	9	10
Wind Direction (deg)	201	201	203	203	199

Agromet Advisory

General Adviosry: Drain out excess water in standing rice and vegetable crop as there was **flooding condition** in last week.

- Resume spraying and fertilization in dry days.
- By using recent rainfall and soil moisture start field preparation for non-paddy crops like pulse, oilseeds and vegetables in upland condition and take up early sowing/transplanting.
- Before sowing of any crop, farmers are advised for application of well decomposed FYM or compost, it increases the water use efficiency as well as nutrient quantity in the soil. Farmers are also advised to increase the use of potash, it helps in minimizing the losses due to the moisture stress during dry spell

Kharif Rice: The crop is at active tillering stage. Maintain about 2-3 cm standing water during tillering stage. 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 **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** 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. As temperature is likely to increase **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.

Maize: Do not keep the stagnant water. Provide drainage facility. For better return sow the Baby corn. At 21 DAS, apply 16kg N /Ac and earthing up at knee height. Due to climate there may be Aphids and Thrips attack, then apply Dimethoate 30EC @ 400ml/Acre .. Helicoverpa infestation has been found in Maize, Spray 100 L.E. NPV during morning and evening. Maize crop has been infested with stem borer, Apply 1 g Furadan in the leaf whorl. Otherwise spray 2 ml. chloropyrifos or 1.5 ml phosphamidon in 1 litre water. Again repeat the spraying once again after 15 days of first spraying. **Groundnut:** There is possibility of leaf spot disease attack, to control spray Carbendazyme+ Mancozeb @ 2g/ lit of water. To control it use 10-15 yellow sticky trap per acre of land. In the present weather condition there is aphid infestation in groundnut. To control spray Imidacloprid @ 1 ml / 4 litre of water. White ant and white grub attack has been found. Through soil drenching with Chloropyrifos solution @ 2ml/litre water. Bud necrosis has been found. Spray 2 ml. Endosulphan / litre .Infestation of leaf minor, leaf webber has been occurred. Spray 2 ml Endosulphan in 1 litre water.

VEGETABLES: Drain out excess water from the field. If infestation of **whitefly, Aphid, leaf hopper** in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray thiomethoxam 0.4 g/l of water. Due to rain and high humid condition during last week, **wilting** is likely to appear in young plants. Drain out water from the field. Spray mixing Streptocycline@20g with Carboxin+Thiram @400g or Metalaxyl 8%+Mancozeb 64% WP @400g per acre in 200 liters of water. Apply additional dose of potassic fertilizer to the crop. Present less rainfall weather conditions are favourable for incidence of **thrips** **spodoptera/helicoverpa** in chili, to control thrips, spray acephat @ 1.5 g (or) fipronil @ 2 ml (or) spinosad @ 0.25 ml (or) diafenthiuron @ 1.5 g per litre of water. To control spodoptera/helicoverpa, spray thiodicarb @ 1g (or) spinosad @ 0.25 ml (or) chlorpyrifos @ 2.5 ml per litre of water.

ANIMAL HUSBANDRY: In partial flooded areas, following practices are to be adopted after recede of water. 1. Cleaning and disinfection of the sheds are to be carried out. 2. Bleach drinking water or water sources 3. Cultivate short term fodders 5. Drying of harvested crop material and storage should be done for use as fodder 6. Keep close surveillance on disease outbreak.

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