



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

E-mail: kvkcuttack@gmail.com

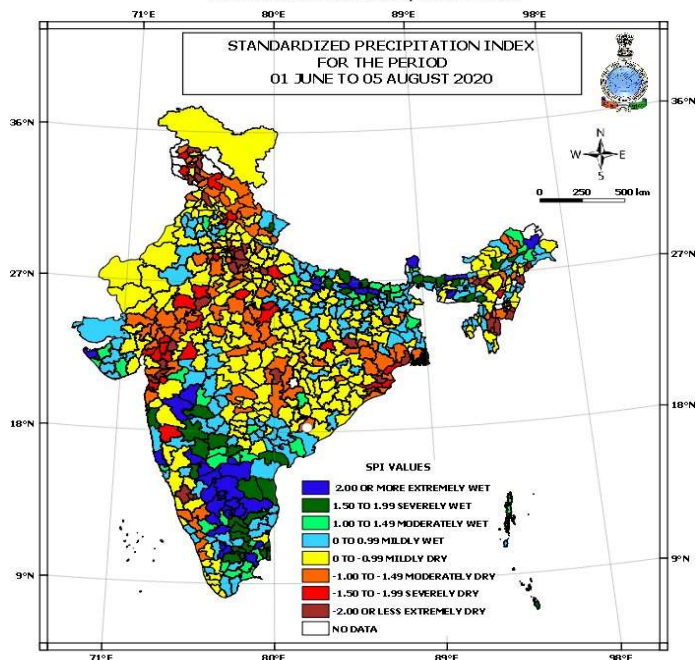


Bulletin No-113

Date-07.08.2020

STANDARD PRECIPITATION INDEX AND NDVI MAP

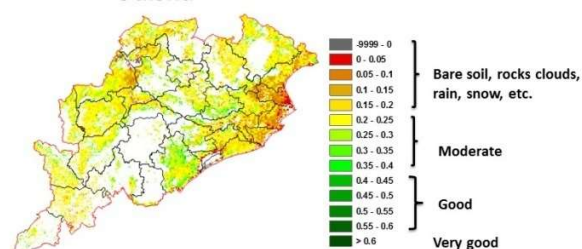
MINISTRY OF EARTH SCIENCES
INDIA METEOROLOGICAL DEPARTMENT
HYDROMET SECTION, CRS PUNE



As per SPI value (cumulative - 1 June 2020 to 05 August 2020), severely dry condition was there in Cuttack district.

NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 31
(29.07.2020 to 04.08.2020) over Agricultural region

Odisha



Agriculture vigour is moderate over isolated parts of the state.

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

According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur, Banki-Dampada block in Cuttack district.

Dr.Dilip Ranjan Sarangi
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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Bulletin No-113
Date-07.08.2020

AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition and Block past Rainfall condition

The block received 130 mm and district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (29.07.2020 to 04.08.2020) the **agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki – dampada block.** Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for tomorrow, Sunday and Monday and Very light to light rainfall is forecasted for other 2 days in the block. The day temperature will 32-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-91% and 46-56% respectively. There will partly cloudy to overcast sky for next 5 days. There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e +49.6% departure from normal.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall (mm)	2	17	27	12	9
T-Max (°C)	34	34	32	33	34
T-Min (°C)	25	25	24	24	25
Cloud Cover (octa)	8	8	8	7	7
RH Max (%)	78	80	84	91	83
RH Min (%)	46	48	54	54	56
Wind Speed (kmph)	11	9	6	6	7
Wind Direction (deg)	210	289	198	144	203

Agromet Advisory

General: Farmers should drainout excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertiliser application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice:

Direct seeded rice Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azosporillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10— litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

Dr. Dilip Ranjan Sarangi
(Nodal officer)



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Bulletin No-113
Date-07.08.2020

AGROMET ADVISORY BULLETIN FOR BADAMBA

District Past week weather condition

The district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki –dampada block. Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for Sunday, Monday and Tuesday and Very light to light rainfall is forecasted for today and tomorrow in the block. The day temperature will 32-34°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-88% and 46-58% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e +49.6% departure from normal.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	3	9	29	14	11
T-Max(°C)	34	34	32	33	33
T-Min(°C)	25	24	24	23	24
Cloud Cover(octa)	8	8	8	7	8
RH Max (%)	81	80	84	88	84
RH Min (%)	46	47	55	58	57
Wind Speed (Kmph)	10	9	6	5	7
Wind Direction (deg)	207	270	296	150	206

Agromet Advisory

General: Farmers should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertiliser application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice Direct seeded rice Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10— litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate.
2. Maximum care should be taken not to make the animals wet.

Dr. Dilip Ranjan Sarangi
(Nodal officer)



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E-mail: kvkcuttack@gmail.com



Bulletin No-113
Date-07.08.2020

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week weather condition and Block past Rainfall condition

The block received 200 mm and district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki – dampada block. Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for tomorrow, Sunday and Monday and Very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 32-34°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-88% and 44-55% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e. +49.6% departure from normal.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	1	10	21	10	8
T-Max(°C)	34	34	32	34	34
T-Min(°C)	25	24	24	23	24
Cloud Cover(octa)	8	8	8	7	8
RH Max (%)	77	78	82	88	82
RH Min (%)	44	47	52	53	55
Wind Speed (Kmph)	11	9	6	5	8
Wind Direction (deg)	216	289	207	150	206

Agromet Advisory

General: Farmers should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice:

Direct seeded rice: Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10— litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

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Bulletin No-113
Date-07.08.2020

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

District Past week weather condition

The district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki –dampada block. Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for tomorrow, Sunday and Monday and Very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 32-34°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-88% and 44-55% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e +49.6% departure from normal.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	1	12	21	10	9
T-Max(°C)	34	34	32	34	34
T-Min(°C)	25	24	24	24	24
Cloud Cover(octa)	8	8	8	7	8
RH Max (%)	77	78	82	88	82
RH Min (%)	44	47	52	52	55
Wind Speed (Kmph)	11	9	6	5	8
Wind Direction (deg)	216	289	207	150	206

Agromet Advisory

General: Farmers should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice:

Direct seeded rice Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10— litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

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

District Past week weather condition and Block past Rainfall condition

The block received 270 mm and district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. *According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki – dampada block.* Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for tomorrow, Sunday and Monday and Very light to light rainfall is forecasted for other 2 days in the block. The day temperature will be 33-34°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-89% and 44-52% respectively. There will be partly cloudy to overcast sky for next 5 days. *There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e +49.6% departure from normal.*

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	2	10	12	10	6
T-Max(°C)	34	34	33	33	34
T-Min(°C)	26	25	25	24	26
Cloud Cover	8	8	7	7	8
RH Max (%)	76	77	80	89	80
RH Min (%)	44	47	49	51	52
Wind Speed (Kmph)	12	9	8	7	9
Wind Direction (deg)	208	243	165	150	203

Agromet Advisory

General: Farmers should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice:

Direct seeded rice: Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10— litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

Dr. Dilip Ranjan Sarangi
 (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)

E-mail: kvkcuttack@gmail.com



Bulletin No-113
Date-07.08.2020

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

District Past week weather condition and Block past Rainfall condition

The block received 76 mm and district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki – dampada block. Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for tomorrow, Sunday and Monday and Very light to light rainfall is forecasted for 5th day with one dry day on today in the block. The day temperature will be 33-34°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-90% and 45-52% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e. +49.6% departure from normal.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	2	12	16	11	5
T-Max(°C)	34	34	33	33	34
T-Min(°C)	26	25	25	24	26
Cloud Cover(octa)	8	8	7	7	7
RH Max (%)	77	79	82	90	81
RH Min (%)	45	47	51	52	51
Wind Speed (Kmph)	12	9	8	7	9
Wind Direction (deg)	210	236	165	135	203

Agromet Advisory

General: Farmers should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice.

Kharif Rice:

Direct seeded rice: Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10— litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

Dr. Dilip Ranjan Sarangi
(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)

E-mail: kvkcuttack@gmail.com



Bulletin No-113
Date-07.08.2020

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition and Block past Rainfall condition

The block received 251 mm and district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki – dampada block. Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for and Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 33-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-88% and 44-51% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e +49.6% departure from normal.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	2	12	5	5	4
T-Max(°C)	34	34	33	34	34
T-Min(°C)	26	25	26	25	26
Cloud Cover(octa)	8	8	7	7	8
RH Max (%)	77	77	81	88	78
RH Min (%)	44	47	49	51	51
Wind Speed (Kmph)	13	9	9	8	10
Wind Direction (deg)	212	207	165	150	205

Agromet Advisory

General: Farmers should drainout excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertiliser application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice:

Direct seeded rice: Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushanning in medium and low land condition. Apply 35 kg urea/ac at beushanning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushanning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10— litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

Dr. Dilip Ranjan Sarangi
(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-113
Date-07.08.2020

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

District Past week weather condition and Block past Rainfall condition

The block received 73 mm and district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. **According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki – dampada block.** Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for tomorrow, Sunday and Monday and Very light to light rainfall is forecasted for other 2 days in the block. 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 79-90% and 47-53% respectively. There will be partly cloudy to overcast sky for next 5 days. **There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e. +49.6% departure from normal.**

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	1	10	12	10	2
T-Max(°C)	34	34	33	33	35
T-Min(°C)	26	25	25	25	26
Cloud Cover(octal)	8	8	7	7	8
RH Max (%)	79	80	84	90	80
RH Min (%)	47	48	51	53	47
Wind Speed (Kmph)	13	11	10	9	9
Wind Direction (deg)	207	203	165	150	200

Agromet Advisory

General: Farmers should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice:

Direct seeded rice: Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10— litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

Dr. Dilip Ranjan Sarangi
(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)

E-mail: kvkcuttack@gmail.com



Bulletin No-113
Date-07.08.2020

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

District Past week weather condition and Block past Rainfall condition

The block received 81 mm and district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki – dampada block. Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for tomorrow to Tuesday and Very light to light rainfall is forecasted for other 1 day in the block. The day temperature will be 32-34°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 84-89% and 46-61% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e +49.6% departure from normal.

Block	Narsinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	5	12	19	14	12
T-Max(°C)	33	34	32	33	33
T-Min(°C)	24	24	23	23	24
Cloud Cover(octa)	8	8	8	7	8
RH Max (%)	84	84	87	89	86
RH Min (%)	46	47	58	61	58
Wind Speed (Kmph)	8	8	6	4	5
Wind Direction (deg)	225	259	285	293	207

Agromet Advisory

General: Farmers should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertilizer application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice:

Direct seeded rice: Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10— litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

Dr. Dilip Ranjan Sarangi
(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-113
Date-07.08.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition and Block past Rainfall condition

The block received 195 mm and district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. **According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki – dampada block.** Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

General advisory: Light to moderate rainfall is forecasted for tomorrow and Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will be 33-34°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-86% and 46-52% respectively. There will be partly cloudy to overcast sky for next 5 days. **There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e +49.6% departure from normal.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	3	10	2	2	4
T-Max(°C)	34	34	33	34	34
T-Min(°C)	26	26	26	25	26
Cloud Cover(octa)	8	8	7	7	8
RH Max (%)	76	76	80	86	76
RH Min (%)	46	47	49	52	51
Wind Speed(Kmph)	15	10	10	9	12
Wind Direction(deg)	212	203	163	155	208

Agromet Advisory

General: Farmers should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertiliser application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice:

Direct seeded rice Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushanning in medium and low land condition. Apply 35 kg urea/ac at beushanning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushanning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10— litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

Dr. Dilip Ranjan Sarangi
(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)

E-mail: kvkcuttack@gmail.com



Bulletin No-113
Date-07.08.2020

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week weather condition and Block past Rainfall condition

The block received 68 mm and district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki - dampada block. Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for tomorrow and Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will 33-35°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-90% and 46-53% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e +49.6% departure from normal.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	1	10	6	5	1
T-Max(°C)	34	34	33	33	35
T-Min(°C)	26	25	25	25	26
Cloud Cover(octa)	8	8	7	7	8
RH Max (%)	79	80	83	90	79
RH Min (%)	46	49	51	53	49
Wind Speed (Kmph)	13	11	10	9	10
Wind Direction (deg)	214	203	171	150	203

General: Farmers should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertiliser application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice:

Direct seeded rice: Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10—litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

Dr. Dilip Ranjan Sarangi
(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)

E-mail: kvkcuttack@gmail.com



Bulletin No-113
Date-07.08.2020

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition and Block past Rainfall condition

The block received 74 mm and district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki – dampada block. Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for tomorrow and Very light to light rainfall is forecasted for other 4 days in the block. 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 79-90% and 46-53% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e +49.6% departure from normal.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	8	11	8	6	1
T-Max(°C)	34	34	33	33	35
T-Min(°C)	26	25	25	25	26
Cloud Cover(octa)	8	8	7	7	8
RH Max (%)	79	80	83	90	80
RH Min (%)	46	49	50	53	49
Wind Speed (Kmph)	13	10	10	9	10
Wind Direction (deg)	207	203	165	150	203

Agromet Advisory

General: Farmers should drainout excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertiliser application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice:

Direct seeded rice Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10— litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

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(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)

E-mail: kvkcuttack@gmail.com



Bulletin No-113
Date-07.08.2020

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

District Past week weather condition

The district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki –dampada block. Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for tomorrow and Very light to light rainfall is forecasted for other 4 days in the block. The day temperature will 34-36°C and night temperature will be 29-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-86% and 50-60% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e +49.6% departure from normal.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	8	10	5	4	1
T-Max(°C)	35	36	36	34	36
T-Min(°C)	30	30	30	29	30
Cloud Cover(octa)	8	8	7	6	7
RH Max (%)	78	78	82	86	77
RH Min (%)	54	53	54	60	50
Wind Speed (Kmph)	18	14	15	11	14
Wind Direction (deg)	207	206	167	150	203

Agromet Advisory

General: Farmers should drain out excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertiliser application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice:

Direct seeded rice Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushaning in medium and low land condition. Apply 35 kg urea/ac at beushaning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushaning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10—litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

Dr. Dilip Ranjan Sarangi
(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)

E-mail: kvkcuttack@gmail.com



Bulletin No-113
Date-07.08.2020

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition and Block past Rainfall condition

The block received 104 mm and district received 137 mm rainfall during the last week. mean daily maximum and minimum temperature was 33°C and 24°C, respectively. Relative humidity of the district was around 82-81%. According to NDVI map (29.07.2020 to 04.08.2020) the agriculture vigor was less to very less over maximum blocks and moderate over some part of Narsinghpur and Banki – dampada block. Whereas according to SPI value (cumulative – 1 June 2020 to 05 August 2020), severely dry condition was there.

Forecasted period: 08th August 2020 to 12th August 2020

General advisory: Light to moderate rainfall is forecasted for tomorrow to Tuesday and Very light to light rainfall is forecasted for today in the block. The day temperature will be 32-34°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-90% and 47-58% respectively. There will be partly cloudy to overcast sky for next 5 days. There will be above rainfall over Odisha state in the upcoming week (12-18th August) i.e +49.6% departure from normal.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	08/08/2020	09/08/2020	10/08/2020	11/08/2020	12/08/2020
Rainfall(mm)	2	14	28	14	12
T-Max(°C)	34	34	32	33	34
T-Min(°C)	25	24	24	23	24
Cloud Cover(octa)	8	8	8	7	8
RH Max (%)	79	80	84	90	84
RH Min (%)	47	49	56	57	58
Wind Speed (Kmph)	10	9	6	5	7
Wind Direction (deg)	210	289	203	144	206

Agromet Advisory

General: Farmers should drainout excess water from vegetable and rice nurseries and should complete their beushaning and transplanting of paddy in between 2-3 week as good amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days as well as in the upcoming week (12-18th August). Farmers should stop irrigation and fertiliser application in rainy days. As humidity will likely to above 80% and rainy day condition, there will be chances of disease and pest infestation mainly sheath blight, blight, foot rot and swarming caterpillar, leaf folder in rice

Kharif Rice:

Direct seeded rice Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for this week farmers should for beushanning in medium and low land condition. Apply 35 kg urea/ac at beushanning followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it after one day. If basal fertilizer not applied, apply 18 kg urea, 100kg ssp and 26 kg MOP while beushanning followed by top dressing of 35 kg urea after 7-10 days.

Transplanted rice:

Due to light to moderate rain is forecasted for upcoming 5 days, 1. farmers should go for puddling and transplanting. The roots of seedlings are to be dipped in the 0.02% Chlorpyrifos solution for 3-4 hours before transplanting. 2. Transplant the seedling within 24 hours of its uprooting. 3. Keep ½ inch of water in the field for transplanting. 4. Due to forecasted rainfall ahead, the main field should be prepared for transplanting. 5. Transplant 2-3 seedlings per hill in straight manner for easy establishment of seedling. 6. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13kg per acre area for long and medium duration varieties before transplanting. 7. For short duration varieties apply 2ton FYM, 25kg DAP, with MOP 10kg per acre area for better result and soil health apply biofertilizer azospirillum and PSB 2kg each per acre. 8. Spray pretilachlor 600ml or pendimethalin 1300ml per acre with 200lit. of water at 2-5 days after transplanting to control weeds. 9. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10decimal nursery area before 7-10days before transplanting paddy for stem borer, leaf folder control in main field. 10.

Disease and pest

- **Bacterial blight** can be controlled to an extent by dipping the roots of seedlings in Streptomycin solution by mixing 1 g in 10— litre of water for 20 minutes before transplanting.
- Chances of **seedling blight infestation** in rice nursery, if observe spray Propiconazole 25% EC @ 1 ml/litre of water in clear weather.
- 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.

VEGETABLES:

Drain out excess water from the field. Due to rain and high humidity, infestation of blight and sucking pest in vegetables likely to increase; farmers are advised to regular monitor the field. If observe, spray Mancozeb 75% WP @ 2g/l of water for blight and Imidacloprid 17.8% SL @ 0.25 ml/l of water for sucking pest.

ANIMAL HUSBANDRY:

1. Vitamin-mineral mixture and immune boosters may be supplemented to both livestock and poultry to facilitate rapid adjustment to the climate. 2. Maximum care should be taken not to make the animals wet.

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Debasish Jena
SMS (Agrometeorology)
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