



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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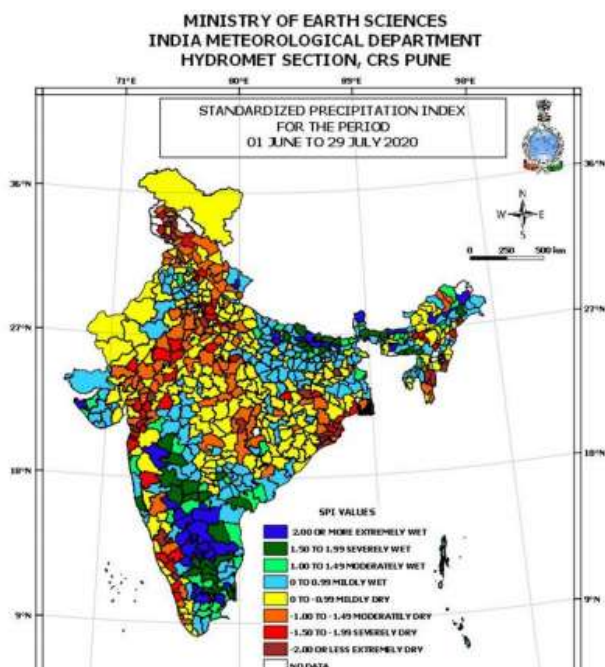


Bulletin No-111

Date-31.07.2020

STANDARD PRECIPITATION INDEX AND NDVI MAP

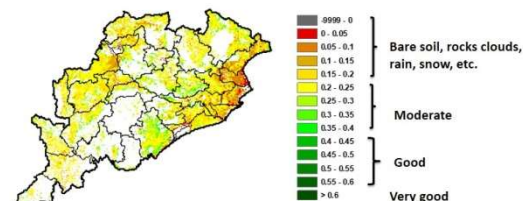
Standardised Precipitation Index
for the period 1st June to 29th July 2020



As per SPI value (cumulative - 1 Jun 2020 to 29 July 2020), Extremely dry condition was there in Cuttack district.

NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 30
(22.07.2020 to 28.07.2020) 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 (22.07.2020 to 28.07.2020) 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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Date-31.07.2020

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AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition and Block past Rainfall condition

The block received 14 mm and district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Moderate rainfall is forecasted for today, tomorrow and Tuesday and Very light to light rainfall is forecasted for other 2 days in the block. The day temperature will 34-38°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-87% and 43-64% respectively. There will partly cloudy to overcast sky for next 5 days.

| Block | Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall (mm) | 11 | 10 | 3 | 9 | 14 |
| T-Max (°C) | 35 | 36 | 37 | 38 | 34 |
| T-Min (°C) | 25 | 25 | 27 | 27 | 25 |
| Cloud Cover (octa) | 6 | 7 | 7 | 7 | 8 |
| RH Max (%) | 87 | 82 | 75 | 73 | 86 |
| RH Min (%) | 48 | 45 | 43 | 43 | 64 |
| Wind Speed (kmph) | 11 | 9 | 7 | 10 | 12 |
| Wind Direction (deg) | 193 | 189 | 207 | 293 | 315 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice: Direct seeded rice In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stages, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azosporillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyrphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Maize: Maize is at 6 to 7 week stage (at tasseling stage). Go for weeding if required. Apply 8 kg Nitrogen/acre leaving 5 cm from the rows followed by earthing up. Drain out excess water if continuous rain occur.

Sesame: The weather is optimum for sowing of Sesame. Grow improved HYV like Prachi, Kalika, Kanak, Vinayak etc. Use 1 to 1.2 kg seeds /acre. Before sowing treat the seeds with 3 g Ceresan/kg seeds. Apply 6:8:8 kg NPK/acre during final land preparation. Sow the seeds in lines at 30 cm apart with 10 cm between plants.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnarekha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied.

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-111
Date-31.07.2020

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AGROMET ADVISORY BULLETIN FOR BADAMBA

District Past week weather condition

The district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. **According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.**

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Moderate rainfall is forecasted for today, tomorrow and Tuesday and Very light to light rainfall is forecasted for other 2 days in the block. The day temperature will 33-37°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-87% and 42-64% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 11 | 10 | 3 | 9 | 13 |
| T-Max(°C) | 35 | 37 | 37 | 37 | 33 |
| T-Min(°C) | 24 | 25 | 26 | 26 | 24 |
| Cloud Cover(octa) | 6 | 6 | 7 | 7 | 8 |
| RH Max (%) | 86 | 81 | 74 | 76 | 87 |
| RH Min (%) | 47 | 44 | 43 | 42 | 64 |
| Wind Speed (Kmph) | 10 | 8 | 6 | 10 | 11 |
| Wind Direction (deg) | 193 | 171 | 225 | 300 | 297 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice:

Direct seeded rice In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azosporillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyriphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Maize: Maize is at 6 to 7 week stage (at tasseling stage). Go for weeding if required. Apply 8 kg Nitrogen/acre leaving 5 cm from the rows followed by earthing up. Drain out excess water if continuous rain occur.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnarekha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied..

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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Bulletin No-111
Date-31.07.2020

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AGROMET ADVISORY BULLETIN FOR BANKI

District Past week weather condition and Block past Rainfall condition

The block received 120 mm and district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Very light to light rainfall is forecasted for today to Monday and moderate rainfall is forecasted for Tuesday in the block. The day temperature will be 34-37°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-85% and 42-61% respectively. There will be partly cloudy to overcast sky for next 5 days

| Block | Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 9 | 6 | 2 | 3 | 12 |
| T-Max(°C) | 35 | 36 | 37 | 37 | 34 |
| T-Min(°C) | 24 | 25 | 26 | 26 | 24 |
| Cloud Cover(octa) | 6 | 6 | 7 | 7 | 8 |
| RH Max (%) | 85 | 81 | 74 | 72 | 85 |
| RH Min (%) | 47 | 43 | 42 | 42 | 61 |
| Wind Speed (Kmph) | 12 | 10 | 7 | 10 | 11 |
| Wind Direction (deg) | 198 | 200 | 203 | 296 | 315 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice: Direct seeded rice In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azospirillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyrphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Maize: Maize is at 6 to 7 week stage (at tasseling stage). Go for weeding if required. Apply 8 kg Nitrogen/acre leaving 5 cm from the rows followed by earthing up. Drain out excess water if continuous rain occur.

Sesame: The weather is optimum for sowing of Sesame. Grow improved HYV like Prachi, Kalika, Kanak, Vinayak etc. Use 1 to 1.2 kg seeds /acre. Before sowing treat the seeds with 3 g Ceresan/kg seeds. Apply 6:8:8 kg NPK/acre during final land preparation. Sow the seeds in lines at 30 cm apart with 10 cm between plants.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnarekha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied.

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-111

Date-31.07.2020

AGROMET ADVISORY BULLETIN FOR BANKI- DAMPARA

District Past week weather condition

The district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Very light to light rainfall is forecasted for today to Monday and moderate rainfall is forecasted for Tuesday in the block. The day temperature will be 34-37°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-86% and 42-62% respectively. There will be partly cloudy to overcast sky for next 5 days

| Block | Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 8 | 4 | 2 | 5 | 15 |
| T-Max(°C) | 35 | 36 | 37 | 37 | 34 |
| T-Min(°C) | 25 | 25 | 26 | 26 | 24 |
| Cloud Cover(octa) | 6 | 6 | 7 | 7 | 8 |
| RH Max (%) | 85 | 81 | 74 | 73 | 86 |
| RH Min (%) | 47 | 43 | 42 | 43 | 62 |
| Wind Speed (Kmph) | 12 | 10 | 7 | 10 | 11 |
| Wind Direction (deg) | 198 | 200 | 203 | 296 | 315 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice: Direct seeded rice In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azosporillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyrphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Maize: Maize is at 6 to 7 week stage (at tasseling stage). Go for weeding if required. Apply 8 kg Nitrogen/acre leaving 5 cm from the rows followed by earthing up. Drain out excess water if continuous rain occur.

Sesame: The weather is optimum for sowing of Sesame. Grow improved HYV like Prachi, Kalika, Kanak, Vinayak etc. Use 1 to 1.2 kg seeds /acre. Before sowing treat the seeds with 3 g Ceresan/kg seeds. Apply 6:8:8 kg NPK/acre during final land preparation. Sow the seeds in lines at 30 cm apart with 10 cm between plants.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakheha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied..

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-111

Date-31.07.2020

AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week weather condition and Block past Rainfall condition

The block received 22 mm and district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Very light to light rainfall is forecasted for today to Monday and moderate rainfall is forecasted for Tuesday in the block. The day temperature will be 33-37°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-85% and 42-58% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 6 | 1 | 2 | 9 | 21 |
| T-Max(°C) | 33 | 36 | 37 | 37 | 34 |
| T-Min(°C) | 25 | 26 | 27 | 27 | 25 |
| Cloud Cover | 6 | 6 | 7 | 7 | 8 |
| RH Max (%) | 85 | 78 | 74 | 76 | 84 |
| RH Min (%) | 50 | 44 | 42 | 44 | 58 |
| Wind Speed (Kmph) | 13 | 14 | 8 | 11 | 13 |
| Wind Direction (deg) | 201 | 203 | 206 | 203 | 315 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice: **Direct seeded rice** In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azospirillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyriphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Maize: Maize is at 6 to 7 week stage (at tasseling stage). Go for weeding if required. Apply 8 kg Nitrogen/acre leaving 5 cm from the rows followed by earthing up. Drain out excess water if continuous rain occur.

Sesame: The weather is optimum for sowing of Sesame. Grow improved HYV like Prachi, Kalika, Kanak, Vinayak etc. Use 1 to 1.2 kg seeds /acre. Before sowing treat the seeds with 3 g Ceresan/kg seeds. Apply 6:8:8 kg NPK/acre during final land preparation. Sow the seeds in lines at 30 cm apart with 10 cm between plants.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakheha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied.

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-111

Date-31.07.2020

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

District Past week weather condition and Block past Rainfall condition

The block received 41 mm and district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Very light to light rainfall is forecasted for tomorrow to Monday and moderate rainfall is forecasted for Tuesday in the block. The day temperature will be 33-37°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-87% and 42-58% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 0 | 5 | 2 | 6 | 22 |
| T-Max(°C) | 33 | 35 | 37 | 37 | 34 |
| T-Min(°C) | 25 | 26 | 27 | 27 | 25 |
| Cloud Cover(octa) | 6 | 6 | 7 | 7 | 8 |
| RH Max (%) | 87 | 80 | 75 | 75 | 84 |
| RH Min (%) | 50 | 44 | 42 | 43 | 58 |
| Wind Speed (Kmph) | 12 | 12 | 8 | 11 | 13 |
| Wind Direction (deg) | 201 | 204 | 214 | 203 | 328 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice: **Direct seeded rice** In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azosporillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyriphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Sugarcane: wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chloropyriphos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during this period.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakheha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied.

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-111

Date-31.07.2020

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition and Block past Rainfall condition

The block received 17 mm and district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Very light to light rainfall is forecasted for tomorrow to Monday and moderate rainfall is forecasted for Tuesday in the block. The day temperature will be 33-37°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-84% and 43-56% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 0 | 1 | 3 | 11 | 23 |
| T-Max(°C) | 34 | 36 | 36 | 37 | 33 |
| T-Min(°C) | 25 | 26 | 27 | 27 | 25 |
| Cloud Cover(octa) | 6 | 5 | 7 | 7 | 7 |
| RH Max (%) | 84 | 76 | 74 | 78 | 83 |
| RH Min (%) | 51 | 44 | 43 | 43 | 56 |
| Wind Speed (Kmph) | 14 | 16 | 10 | 11 | 12 |
| Wind Direction (deg) | 203 | 203 | 212 | 210 | 315 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice: **Direct seeded rice** In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azosporillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyriphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Sugarcane: wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chloropyriphos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during this period.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakheha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied.

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-111

Date-31.07.2020

AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week weather condition and Block past Rainfall condition

The block received 42 mm and district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Very light to light rainfall is forecasted for tomorrow to Monday and moderate rainfall is forecasted for Tuesday in the block. The day temperature will be 34-37°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-87% and 41-54% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 0 | 5 | 3 | 10 | 29 |
| T-Max(°C) | 34 | 36 | 37 | 37 | 34 |
| T-Min(°C) | 25 | 26 | 27 | 27 | 26 |
| Cloud Cover(octal) | 6 | 6 | 7 | 7 | 8 |
| RH Max (%) | 87 | 80 | 77 | 79 | 83 |
| RH Min (%) | 51 | 45 | 41 | 44 | 54 |
| Wind Speed (Kmph) | 13 | 14 | 9 | 11 | 12 |
| Wind Direction (deg) | 203 | 203 | 225 | 210 | 338 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice: **Direct seeded rice** In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azosporillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyriphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Sugarcane: wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chloropyriphos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during this period.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakheha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied.

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-111

Date-31.07.2020

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

District Past week weather condition and Block past Rainfall condition

The block received 07 mm and district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Moderate rainfall is forecasted for today and Tuesday and Very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 32-37°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-90% and 44-69% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 12 | 6 | 5 | 8 | 14 |
| T-Max(°C) | 35 | 37 | 37 | 36 | 32 |
| T-Min(°C) | 24 | 25 | 25 | 25 | 24 |
| Cloud Cover(/octa) | 6 | 7 | 7 | 7 | 8 |
| RH Max (%) | 89 | 82 | 80 | 85 | 90 |
| RH Min (%) | 46 | 44 | 46 | 44 | 69 |
| Wind Speed (Kmph) | 7 | 5 | 5 | 9 | 9 |
| Wind Direction (deg) | 167 | 165 | 225 | 293 | 293 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice:

Direct seeded rice: In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azosporillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyriphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Maize: Maize is at 6 to 7 week stage (at tasseling stage). Go for weeding if required. Apply 8 kg Nitrogen/acre leaving 5 cm from the rows followed by earthing up. Drain out excess water if continuous rain occur.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied.

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-111

Date-31.07.2020

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition and Block past Rainfall condition

The block received 14 mm and district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Very light to light rainfall is forecasted for tomorrow to Sunday and moderate rainfall is forecasted for Monday & Tuesday in the block. The day temperature will be 33-37°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-83% and 43-57% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|---------------------|---|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 0 | 2 | 1 | 10 | 24 |
| T-Max(°C) | 34 | 36 | 36 | 37 | 33 |
| T-Min(°C) | 26 | 26 | 27 | 27 | 25 |
| Cloud Cover(octa) | 6 | 5 | 7 | 7 | 7 |
| RH Max (%) | 83 | 77 | 73 | 77 | 82 |
| RH Min (%) | 51 | 46 | 44 | 43 | 57 |
| Wind Speed(Kmph) | 15 | 17 | 12 | 11 | 12 |
| Wind Direction(deg) | 203 | 203 | 207 | 208 | 330 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice: Direct seeded rice In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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: Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azosporillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyriphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Sugarcane: wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chloropyriphos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during this period.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Goard, Snake Goard, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied.

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-111

Date-31.07.2020

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week weather condition and Block past Rainfall condition

The block received 07 mm and district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Very light to light rainfall is forecasted for tomorrow to Sunday and moderate rainfall is forecasted for Monday & Tuesday in the block. The day temperature will 33-37°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-87% and 42-54% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 0 | 3 | 4 | 12 | 29 |
| T-Max(°C) | 33 | 36 | 36 | 37 | 34 |
| T-Min(°C) | 26 | 27 | 27 | 27 | 26 |
| Cloud Cover(octa) | 6 | 6 | 7 | 7 | 7 |
| RH Max (%) | 87 | 79 | 77 | 79 | 83 |
| RH Min (%) | 51 | 44 | 42 | 44 | 54 |
| Wind Speed (Kmph) | 13 | 14 | 10 | 11 | 12 |
| Wind Direction (deg) | 203 | 203 | 212 | 210 | 300 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice: Direct seeded rice In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is forecasted for upcoming 5 days, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is forecasted in upcoming days, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azosporillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyriphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Sugarcane: wrapping and propping should be done when crop are 4-5 month old in medium and late duration varieties. For early shoot borer Spray Chloropyriphos or Quinalopphos @ 400 ml/ac in 200 lts of water after cessation of rain. For Red rot, avoid rationing in red rot affected area, spray the crop with Mancozeb 0.3% or carbendazim 0.1% at 15 days interval. Complete hoeing, weeding and apply fertilizer urea 100kg with 34 kg MOP in lines followed by earthing up during this period.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakheha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied.

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-111

Date-31.07.2020

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition and Block past Rainfall condition

The block received 07mm and district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. **According to NDVI map (22.07.2020 to 28.07.2020) 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 – 1June 2020 to 29 July 2020), Extremely dry condition was there.**

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: **Very light to light rainfall is forecasted for tomorrow to Sunday and moderate rainfall is forecasted for Monday & Tuesday in the block.** The day temperature will be 33-37°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-87% and 41-55% respectively. There will be partly cloudy to overcast sky for next 5 days

| Block | Salepur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 0 | 2 | 4 | 11 | 30 |
| T-Max(°C) | 33 | 36 | 37 | 37 | 34 |
| T-Min(°C) | 25 | 27 | 27 | 27 | 26 |
| Cloud Cover(octa) | 6 | 6 | 7 | 7 | 8 |
| RH Max (%) | 87 | 79 | 76 | 79 | 83 |
| RH Min (%) | 51 | 45 | 41 | 45 | 55 |
| Wind Speed (Kmph) | 13 | 14 | 9 | 11 | 13 |
| Wind Direction (deg) | 203 | 203 | 225 | 210 | 315 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice:

Direct seeded rice In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may led to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azosporillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyriphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Maize: Maize is at 6 to 7 week stage (at tasseling stage). Go for weeding if required. Apply 8 kg Nitrogen/acre leaving 5 cm from the rows followed by earthing up. Drain out excess water if continuous rain occur.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakheha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied..

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
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Bulletin No-111

Date-31.07.2020

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

District Past week weather condition

The district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Very light to light rainfall is forecasted for today to Sunday and moderate rainfall is forecasted for Monday & Tuesday in the block. The day temperature will 35-38°C and night temperature will be 29-31°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-84% and 47-55% respectively. There will be partly cloudy to overcast sky for next 5 days.

| Block | Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|--|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 9 | 4 | 1 | 12 | 13 |
| T-Max(°C) | 35 | 36 | 37 | 38 | 36 |
| T-Min(°C) | 29 | 30 | 31 | 30 | 29 |
| Cloud Cover(octa) | 5 | 5 | 6 | 7 | 7 |
| RH Max (%) | 84 | 82 | 75 | 76 | 80 |
| RH Min (%) | 55 | 52 | 51 | 47 | 54 |
| Wind Speed (Kmph) | 17 | 19 | 16 | 14 | 9 |
| Wind Direction (deg) | 203 | 203 | 207 | 208 | 326 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice:

Direct seeded rice In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azospirillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyrifos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Maize: Maize is at 6 to 7 week stage (at tasseling stage). Go for weeding if required. Apply 8 kg Nitrogen/acre leaving 5 cm from the rows followed by earthing up. Drain out excess water if continuous rain occur.

Cashew nut: July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g NP/pit.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied.

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-111
Date-31.07.2020

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AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition and Block past Rainfall condition

The block received 11 mm and district received 27 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 24°C, respectively. Relative humidity of the district was around 78-75%. According to NDVI map (22.07.2020 to 28.07.2020) 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 29 July 2020), Extremely dry condition was there.

Forecasted period: 01st August 2020 to 05th August 2020

General advisory: Moderate rainfall is forecasted for today and Tuesday and Very light to light rainfall is forecasted for other 3 days in the block. The day temperature will be 34-38°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-87% and 43-65% respectively. There will be partly cloudy to overcast sky for next 5 days

| Block | Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS) | | | | |
|----------------------|---|------------|------------|------------|------------|
| Date | 01/08/2020 | 02/08/2020 | 03/08/2020 | 04/08/2020 | 05/08/2020 |
| Rainfall(mm) | 11 | 8 | 2 | 7 | 10 |
| T-Max(°C) | 35 | 37 | 37 | 38 | 34 |
| T-Min(°C) | 24 | 25 | 26 | 27 | 25 |
| Cloud Cover(octa) | 6 | 7 | 6 | 7 | 8 |
| RH Max (%) | 87 | 83 | 75 | 72 | 86 |
| RH Min (%) | 48 | 44 | 44 | 43 | 65 |
| Wind Speed (Kmph) | 11 | 8 | 6 | 10 | 11 |
| Wind Direction (deg) | 180 | 171 | 203 | 300 | 315 |

Agromet Advisory

General: Farmers should complete their beushaning and transplanting of paddy in between 2-3 week as light to moderate amount of rainfall was realized in the past week and also is forecasted for the block in upcoming 5 days. If rainfall deficit situation persists in some villages of the block, then go for life saving irrigation to save rice nurseries. Apply top dressing of fertilisers either in transplanted or direct seeded rice if there is sufficient soil moisture in the field otherwise farmers are advised to postpone the top dressing of fertilisers in the rice field till the sufficient soil moisture is attained either by rainfall or irrigation water. Farmers are advised to do proper arrangement for storing rain water at one portion in the field. This water can be used for irrigation in the crops during dry spell.

Kharif Rice:

Direct seeded rice In direct seeded rice and early sown rice nurseries, due to erratic rain weed infestation is now a major problem. To control the weeds at two to three leaf stage, spray Bispyribac sodium@20g a.i. ha-1 in 500 litres of water. Direct seeded rice are at three to four week stage. As light to moderate amount of rainfall is realized in the past week, farmers should go 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:

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery seedlings. Go for foliar spray of Hexaconazole with Plantomycin@1.0 g/l to prevent the spread of the disease. Prevailing high temperature condition may lead to infestation of rice thrips in rice nursery. Apply Fipronil 5SC@2ml/l of water or Thiomethoxam@0.4g/ litre of water. As light to moderate of rainfall is realized in the past week, farmers should start transplanting. Apply Fipronil 0.3%G 700g or cartraphydrochloride 4%G 1kg for 10 decimal nursery before 7-10 days of transplanting for stem borer, leaf folder control in main field. Apply well decomposed FYM 2 ton, DAP 35kg and MOP 13 kg per acre for long and medium duration varieties and apply 2ton FYM, 25 kg DAP, 10 kg MOP per acre for short duration varieties before transplanting. For better result and soil health applies biofertilizer azospirillum and PSB 2kg each per acre. Go for seedling root dip treatment with chloropyriphos @ 2ml/lit of water before transplanting if granular insecticides are not applied in nursery.

Maize: Maize is at 6 to 7 week stage (at tasseling stage). Go for weeding if required. Apply 8 kg Nitrogen/acre leaving 5 cm from the rows followed by earthing up. Drain out excess water if continuous rain occur.

Sesame: The weather is optimum for sowing of Sesame. Grow improved HYV like Prachi, Kalika, Kanak, Vinayak etc. Use 1 to 1.2 kg seeds /acre. Before sowing treat the seeds with 3 g Ceresan/kg seeds. Apply 6:8:8 kg NPK/acre during final land preparation. Sow the seeds in lines at 30 cm apart with 10 cm between plants. **Cashew nut:** July-August is the optimum time for cashewnut planting. Grow HYV namely Vengrulla-1.4, BPP-4, Bhubaneswar-1, VRI-2, Hybrid 2-17. Dig out pits of 45x45x45cm at 7.5x7.5m apart in coastal areas, 6x6 m in inland area and 4x4 m in marginal land. Plant 70-80 seedling/acre. Before planting apply 110:60 g N/P/pt.

VEGETABLES:

- To prevent epilachna beetle in Brinjal, Cucumber, Bitter guard apply 400 ml Profenophous in 200 liter water per acre.
- In recent rain deficit condition make necessary irrigation to Brinjal, Chilly, Ridge Gourd, Snake Gourd, Long Beans crops.

Mango: July and August are ideal time of planting. Suitable varieties are amrapalli, dusseheri, chousa, baganpalli, totapuri, bombay green, suvarnakha, himsagar, etc. Seedling should be planted in pits at a distance of 10m x 10m. the pit size is 1m x 1m x 1m. One year old healthy grafted plant should be preferred. At the time of planting two basket compost, 80 g N, 100 g P2O5 and 60 g K2O fertilizer should be applied.

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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