



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



Bulletin No-103  
Date-03.07.2020

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**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

**District Past week weather condition**

The district received 32mm 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 86-78%. According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory:** Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted. The day temperature will 30-36°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-91% and 40-67% respectively. There will overcast sky for next 5days. Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall (mm)	3	15	57	5	3
T-Max (°C)	36	34	36	30	32
T-Min (°C)	25	26	24	24	25
Cloud Cover (octa)	7	7	8	8	7
RH Max (%)	83	82	91	86	82
RH Min (%)	40	44	42	67	58
Wind Speed (kmph)	12	10	15	12	10
Wind Direction (deg)	153	155	270	270	200

**Agromet Advisory**

**General Advisory:** According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall then actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimil area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.

**Maize:** It is time for sowing of maize for green cob purpose under irrigated condition Grow high yielding varieties like Navjot, Shakti, Decan-107, Decan-109, Use 6 kg seeds/acre. Apply one third of N and all P & K of the recommended dose of 50:24:24 kg. NPK/acre. Sow the seeds in lines with spacing of 45-60X20 cm at 5 cm soil depth.

**JUTE:** Recent rain & forecasted rain will aggravate weed problem in early sown crop. To control grass weeds, apply Quizalofopp-ethyl@2ml/litre of water at 2-3 leaf stage of weeds. Utilizing recent rain, apply 1/3 rd N (32kg Urea) after 1st weeding and thinning.

**Arhar :** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-durationPrabhat, Upas-120, ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15 –20 cm plant to plant distance.

**VEGETABLES:**

- Due to Past rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- After cessation of rain, downy mildew disease will appear in cucurbits. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- After rain, leaf blight and vine rot is likely to appear in pointed gourd. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
- Wilting may observe in tomato and brinjal field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

**Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Dr.Dilip Ranjan Sarangi**  
(Nodal officer)

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



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**Bulletin No-103**  
**Date-03.07.2020**

E-mail: [kykcuttack@gmail.com](mailto:kykcuttack@gmail.com)  
**AGROMET ADVISORY BULLETIN FOR BADAMBA**

**District Past week weather condition**

**The district received 32mm 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 86-78%. **According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.**

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory: Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted.** The day temperature will 29-36°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-92% and 42-68% respectively. There will be overcast sky for next 5 days. **Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.**

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)	4	16	55	10	7
T-Max(°C)	36	35	36	29	31
T-Min(°C)	25	25	23	23	24
Cloud Cover(octa)	7	7	7	8	7
RH Max (%)	83	80	92	86	84
RH Min (%)	42	46	43	68	62
Wind Speed (Kmph)	11	10	13	11	8
Wind Direction (deg)	156	158	283	270	204

**Agromet Advisory**

**General Advisory: According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall then actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.**

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimil area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

*Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hexaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.*

**Maize:** It is time for sowing of maize for green cob purpose under irrigated condition Grow high yielding varieties like Navjot, Shakti, Decan-107, Decan-109, Use 6 kg seeds/acre. Apply one third of N and all P & K of the recommended dose of 50:24:24 kg. NPK/acre. Sow the seeds in lines with spacing of 45-60X20 cm at 5 cm soil depth.

**Arhar:** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-durationPrabhat, Upas-120, ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15 –20 cm plant to plant distance.

**VEGETABLES:**

- Fruit and shoot borer in Brinjal- Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval.
  - Due to Past rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
  - After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
  - After rain, **leaf blight and vine rot** is likely to appear in **pointed gourd**. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
  - **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Dr.Dilip Ranjan Sarangi**  
 (Nodal officer)

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



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**Bulletin No-103**  
**Date-03.07.2020**

E-mail: [kvkcuttack@gmail.com](mailto:kvkcuttack@gmail.com)  
**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week weather condition**

**The district received 32mm 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 86-78%. **According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.**

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory: Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted.** The day temperature will 30-37°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-91% and 40-66% respectively. There will be overcast sky for next 5 days. **Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.**

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)	2	14	52	11	8
T-Max(°C)	37	35	36	30	32
T-Min(°C)	25	25	23	23	25
Cloud Cover(octa)	7	7	7	8	7
RH Max (%)	82	80	91	85	82
RH Min (%)	40	45	42	66	59
Wind Speed (Kmph)	12	11	15	12	10
Wind Direction (deg)	158	158	270	279	204

**Agromet Advisory**

**General Advisory: According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall then actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.**

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimal area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

*Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.*

**Maize:** It is time for sowing of maize for green cob purpose under irrigated condition Grow high yielding varieties like Navjot, Shakti, Decan-107, Decan-109, Use 6 kg seeds/acre. Apply one third of N and all P & K of the recommended dose of 50:24:24 kg. NPK/acre. Sow the seeds in lines with spacing of 45-60X20 cm at 5 cm soil depth.

**Arhar:** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-duration Prabhat, Upas-120, ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15 –20 cm plant to plant distance.

**VEGETABLES:**

- Fruit and shoot borer in Brinjal- Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval.
- Due to Past rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxytrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- After rain, **leaf blight and vine rot** is likely to appear in **pointed gourd**. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

**Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Dr.Dilip Ranjan Sarangi**  
 (Nodal officer)

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**AGROMET ADVISORY BULLETIN FOR BANKI- DAMPARA**

**District Past week weather condition**

The district received 32mm 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 86-78%. According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory:** Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted. The day temperature will 30-37°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-91% and 40-66% respectively. There will be overcast sky for next 5 days. Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)					
	Date	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)		2	14	51	11	7
T-Max(°C)		37	35	36	30	32
T-Min(°C)		25	25	24	24	25
Cloud Cover(octa)		7	7	7	8	7
RH Max (%)		82	80	91	85	82
RH Min (%)		40	45	43	66	58
Wind Speed (Kmph)		12	11	15	11	10
Wind Direction (deg)		158	158	270	270	203

**Agromet Advisory**

**General Advisory:** According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall then actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bisparybac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimil area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.

**Maize:** It is time for sowing of maize for green cob purpose under irrigated condition Grow high yielding varieties like Navjot, Shakti, Decan-107, Decan-109, Use 6 kg seeds/acre. Apply one third of N and all P & K of the recommended dose of 50:24:24 kg. NPK/acre. Sow the seeds in lines with spacing of 45-60X20 cm at 5 cm soil depth.

**Arhar:** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-durationPrabhat, Upas-120, ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15 –20 cm plant to plant distance.

**VEGETABLES:**

- Due to Past rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- After rain, **leaf blight and vine rot** is likely to appear in **pointed gourd**. To control it, spray of Metalaxyl+Mancozeb@2g/litre.

**Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

**Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

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**AGROMET ADVISORY BULLETIN FOR BARANGA**

**District Past week weather condition**

**The district received 32mm 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 86-78%. **According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.**

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory: Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted.** The day temperature will 31-36°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-85% and 40-62% respectively. There will be overcast sky for next 5 days. **Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Date	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)	1	16	51	7	3
T-Max(°C)	36	34	36	31	32
T-Min(°C)	26	26	25	25	26
Cloud Cover	8	7	8	8	7
RH Max (%)	80	79	85	83	79
RH Min (%)	40	44	42	62	53
Wind Speed (Kmph)	14	12	17	13	12
Wind Direction (deg)	167	171	270	270	203

**Agromet Advisory**

**General Advisory: According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall than actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.**

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimal area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

*Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.*

**Maize:** It is time for sowing of maize for green cob purpose under irrigated condition Grow high yielding varieties like Navjot, Shakti, Decan-107, Decan-109, Use 6 kg seeds/acre. Apply one third of N and all P & K of the recommended dose of 50:24:24 kg. NPK/acre. Sow the seeds in lines with spacing of 45-60X20 cm at 5 cm soil depth.

**Arhar:** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-durationPrabhat, Upas-120, ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15 –20 cm plant to plant distance.

**VEGETABLES:**

- Fruit and shoot borer in Brinjal- Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval.
- Due to Past rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- After rain, **leaf blight and vine rot** is likely to appear in **pointed gourd**. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

**Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Dr.Dilip Ranjan Sarangi**  
(Nodal officer)

**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-103  
Date-03.07.2020

E-mail: [kvkcuttack@gmail.com](mailto:kvkcuttack@gmail.com)  
**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

**District Past week weather condition**

The district received 32mm 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 86-78%. According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory:** Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted. The day temperature will 31-36°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-86% and 40-62% respectively. There will be overcast sky for next 5days. Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Date	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)	0	15	52	6	4
T-Max(°C)	36	34	36	31	32
T-Min(°C)	26	26	25	25	26
Cloud Cover(octa)	8	7	8	8	7
RH Max (%)	81	81	86	84	79
RH Min (%)	40	43	42	62	54
Wind Speed (Kmph)	13	11	18	14	11
Wind Direction (deg)	159	158	287	270	203

**Agromet Advisory**

**General Advisory:** According to SPI (1<sup>st</sup> June to 24<sup>th</sup> June) mild dry condition is there and according to NDVI map (17-23rd June, 2020), agriculture vigor is less in Cuttack district. In view of CSIR rainfall map Cuttack received normal (-19%) rainfall then actual in between 1<sup>st</sup> June to 30<sup>th</sup> June. So, its optimum time for sowing of rice in nursery beds also Farmers are advised to open the drainage channels in nurse beds as heavy rainfall is forecasted.

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**TRANSPLANTED RICE:** Since last 3 days, moderate amount of rainfall has been received. So there is optimum moisture in the soil to go for laying out nursery bed for rice. For transplanting in 1acre area, 10 decimal area of wet nursery bed should be prepared. For nursery bed, 8 quintal FYM, 4kg Urea, 4kg SSP and 2kg MOP should be applied. Seed requirement for 1acre is 20kg seeds which should be properly treated with either 2g carbendazim or 2g thiram per kg seeds. Soak the seeds in water for 24 hours and then drain out the water and keep the seeds in gunny bag. Once the seeds sprout, use it for transplanting. The nursery beds should be of 1m width, appropriate length and 15cm height and space should be maintained between the nursery beds to ensure irrigation. Put the seedlings in the nursery bed and cover with straw and sprinkle water. Go for the preparation of main field.

**Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hexaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.**

**Sugarcane:** The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the early shoot borer infestation in sugarcane spray Profenofos 400ml per acre @ 2ml/litre of water. Complete hoeing and weeding and apply 100kg urea with 35kg MOP for one acre crop followed by earthing up and irrigation. Plan for irrigation at 10 days interval between 5-14 week stage of crop observing the soil moisture and forecasted rain.

**JUTE:** Recent rain & forecasted rain will aggravate weed problem in early sown crop. To control grass weeds, apply Quizalofop-ethyl@2ml/litre of water at 2-3 leaf stage of weeds. Utilizing recent rain, apply 1/3 rd N (32kg Urea) after 1st weeding and thinning.

**Arhar:** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-duration Prabhat, Upas-120, ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15-20 cm plant to plant distance.

**VEGETABLES:**

- Fruit and shoot borer in Brinjal- Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval.
- Due to Past rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- After rain, **leaf blight and vine rot** is likely to appear in **pointed gourd**. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
- Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

Dr. Dilip Ranjan Sarangi  
(Nodal officer)

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-103  
Date-03.07.2020

E-mail: [kvkcuttack@gmail.com](mailto:kvkcuttack@gmail.com)  
**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

**District Past week weather condition**

The district received 32mm 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 86-78%. According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory:** Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted. The day temperature will 31-36°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-85% and 40-61% respectively. There will be overcast sky for next 5 days. Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)	0	14	47	10	6
T-Max(°C)	35	35	36	31	33
T-Min(°C)	27	27	25	25	26
Cloud Cover(octa)	8	7	8	8	7
RH Max (%)	79	77	85	82	79
RH Min (%)	43	45	40	61	52
Wind Speed (Kmph)	14	13	17	13	14
Wind Direction (deg)	180	165	243	270	204

**Agromet Advisory**

**General Advisory:** According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall then actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimal area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.

**Sugarcane:** The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the early shoot borer infestation in sugarcane spray Profenofos 400ml per acre @ 2ml/lit of water. Complete hoeing and weeding and apply 100kg urea with 35kg MOP for one acre crop followed by earthing up and irrigation. Plan for irrigation at 10 days interval between 5-14 week stage of crop observing the soil moisture and forecasted rain.

**Arhar:** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-duration Prabhat, Upas-120, ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15-20 cm plant to plant distance.

**VEGETABLES:**

- Fruit and shoot borer in Brinjal- Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval.
- Due to Past rain, Chances of fruit rot infestation in chilli and brinjal, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- After cessation of rain, downy mildew disease will appear in cucurbits. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- After rain, leaf blight and vine rot is likely to appear in pointed gourd. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
- Wilting may observe in tomato and brinjal field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

**Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Dr. Dilip Ranjan Sarangi**  
(Nodal officer)

**Debashish 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-103  
Date-03.07.2020

E-mail: [kvkcuttack@gmail.com](mailto:kvkcuttack@gmail.com)  
**AGROMET ADVISORY BULLETIN FOR MAHANGA**  
**District Past week weather condition**

**The district received 32mm 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 86-78%. **According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.**

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory: Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted.** The day temperature will 31-36°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-84% and 42-61% respectively. There will be overcast sky for next 5 days. **Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.**

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)	0	14	45	25	7
T-Max(°C)	36	34	36	31	32
T-Min(°C)	26	27	25	25	26
Cloud Cover(octal)	8	7	8	8	7
RH Max (%)	80	79	81	84	81
RH Min (%)	42	44	42	61	55
Wind Speed (Kmph)	14	11	18	16	12
Wind Direction (deg)	180	171	293	270	204

**Agromet Advisory**

**General Advisory:** According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall then actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimil area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

*Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hexaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.*

**Sugarcane:** The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the early shoot borer infestation in sugarcane spray Profenofos 400ml per acre @ 2ml/lit of water. Complete hoeing and weeding and apply 100kg urea with 35kg MOP for one acre crop followed by earthing up and irrigation. Plan for irrigation at 10 days interval between 5-14 week stage of crop observing the soil moisture and forecasted rain.

**Arhar:** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-duration Prabhat, Upas-120, ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15 –20 cm plant to plant distance.

**VEGETABLES:**

- Fruit and shoot borer in Brinjal- Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval.
- Due to Past rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- After rain, **leaf blight and vine rot** is likely to appear in **pointed gourd**. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

**Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Dr. Dilip Ranjan Sarangi**  
(Nodal officer)

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



**Bulletin No-103**  
**Date-03.07.2020**

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

**District Past week weather condition**

**The district received 32mm 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 86-78%. **According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.**

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory: Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted.** The day temperature will 28-36°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-93% and 43-69% respectively. There will be overcast sky for next 5 days. **Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.**

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)	5	16	56	7	7
T-Max(°C)	36	35	34	28	30
T-Min(°C)	25	25	23	23	24
Cloud Cover(/octa)	7	7	7	8	7
RH Max (%)	84	82	93	87	86
RH Min (%)	43	45	47	69	63
Wind Speed (Kmph)	8	8	11	9	5
Wind Direction (deg)	148	158	279	270	203

**Agromet Advisory**

**General Advisory: According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall than actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.**

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimil area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

*Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.*

**Maize:** It is time for sowing of maize for green cob purpose under irrigated condition Grow high yielding varieties like Navjot, Shakti, Decan-107, Decan-109, Use 6 kg seeds/acre. Apply one third of N and all P & K of the recommended dose of 50:24:24 kg. NPK/acre. Sow the seeds in lines with spacing of 45-60X20 cm at 5 cm soil depth.

**Arhar:** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-durationPrabhat, Upas-120, ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15 –20 cm plant to plant distance.

**VEGETABLES:**

- Fruit and shoot borer in Brinjal- Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval.
- Due to Past rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- After rain, **leaf blight and vine rot** is likely to appear in **pointed gourd**. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

**Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Dr.Dilip Ranjan Sarangi**  
**(Nodal officer)**

**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-103**  
**Date-03.07.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR NIALI**

**District Past week weather condition**

**The district received 32mm 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 86-78%. **According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.**

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory: Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted.** The day temperature will 32-36°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-88% and 41-60% respectively. There will be overcast sky for next 5 days. **Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.**

Block	Niali(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)	0	15	47	11	6
T-Max(°C)	35	35	36	32	33
T-Min(°C)	27	27	24	24	26
Cloud Cover(octa)	8	7	8	8	7
RH Max (%)	78	77	88	85	79
RH Min (%)	46	46	41	60	53
Wind Speed(Kmph)	15	15	17	13	15
Wind Direction(deg)	180	180	225	249	204

**Agromet Advisory**

**General Advisory: According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall then actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.**

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is Optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimil area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.

**Sugarcane:** The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the early shoot borer infestation in sugarcane spray Profenofos 400ml per acre @ 2ml/lit of water. Complete hoeing and weeding and apply 100kg urea with 35kg MOP for one acre crop followed by earthing up and irrigation. Plan for irrigation at 10 days interval between 5-14 week stage of crop observing the soil moisture and forecasted rain.

**Arhar :** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-durationPrabhat, Upas-120 ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15 –20 cm plant to plant distance.

**VEGETABLES:**

- Fruit and shoot borer in Brinjal- Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval.
- Due to Past rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- After rain, **leaf blight and vine rot** is likely to appear in **pointed gourd**. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

**Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Dr.Dilip Ranjan Sarangi**  
(Nodal officer)

**Debashish Jena**  
**SMS (Agrometeorology)**  
**Contact No-9861445080/7008453427**



**GRAMIN KRUSHI MAUSAM SEVA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
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Bulletin No-103  
Date-03.07.2020

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**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

District Past week weather condition

The district received 32mm 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 86-78%. According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory:** Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted. The day temperature will 31-36°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-83% and 41-61% respectively. There will be overcast sky for next 5 days. Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)	0	14	42	19	6
T-Max(°C)	36	35	36	31	33
T-Min(°C)	26	27	25	25	26
Cloud Cover(octa)	8	7	8	8	7
RH Max (%)	81	79	82	83	80
RH Min (%)	42	44	41	61	54
Wind Speed (Kmph)	14	12	18	15	12
Wind Direction (deg)	180	171	285	270	204

**Agromet Advisory**

**General Advisory:** According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall then actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimal area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hexaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.

**Sugarcane:** The crop is at tillering (15-16 week) stage. Early shoot borer may attack the young tillers of sugarcane. To control the early shoot borer infestation in sugarcane spray Profenofos 400ml per acre @ 2ml/lit of water. Complete hoeing and weeding and apply 100kg urea with 35kg MOP for one acre crop followed by earthing up and irrigation. Plan for irrigation at 10 days interval between 5-14 week stage of crop observing the soil moisture and forecasted rain.

**Arhar :** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-durationPrabhat, Upas-120 ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre. Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15 –20 cm plant to plant distance.

**VEGETABLES:**

- Due to Past rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- After rain, **leaf blight and vine rot** is likely to appear in **pointed gourd**. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

**Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

Dr.Dilip Ranjan Sarangi  
(Nodal officer)

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



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



**Bulletin No-103**  
**Date-03.07.2020**

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**AGROMET ADVISORY BULLETIN FOR SALEPUR**

**District Past week weather condition**

**The district received 32mm 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 86-78%. **According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.**

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory: Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted.** The day temperature will 31-36°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-83% and 42-61% respectively. There will be overcast sky for next 5 days. **Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)	0	13	43	17	5
T-Max(°C)	36	34	36	31	32
T-Min(°C)	26	27	25	25	26
Cloud Cover(octa)	8	7	8	8	7
RH Max (%)	81	79	82	83	80
RH Min (%)	42	44	42	61	54
Wind Speed (Kmph)	14	12	18	15	12
Wind Direction (deg)	180	171	293	270	204

**Agromet Advisory**

**General Advisory:** According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall then actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimil area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

*Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hexaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.*

**Maize:** It is time for sowing of maize for green cob purpose under irrigated condition. Grow high yielding varieties like Navjot, Shakti, Decan-107, Decan-109, Use 6 kg seeds/acre. Apply one third of N and all P & K of the recommended dose of 50:24:24 kg. NPK/acre. Sow the seeds in lines with spacing of 45-60X20 cm at 5 cm soil depth.

**Arhar :** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-durationPrabhat, Upas-120 ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre. Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15-20 cm plant to plant distance.

**VEGETABLES:**

- Fruit and shoot borer in Brinjal- Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosac 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval.
- Due to Past rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- After rain, **leaf blight and vine rot** is likely to appear in **pointed gourd**. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

**Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Dr.Dilip Ranjan Sarangi**  
 (Nodal officer)

**Debashish Jena**  
**SMS (Agrometeorology)**  
**Contact No-9861445080/7008453427**



**GRAMIN KRUSHI MAUSAM SEVA**  
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**Bulletin No-103**  
**Date-03.07.2020**

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**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

**The district received 32mm 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 86-78%. **According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.**

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory; Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted.** The day temperature will 33-37°C and night temperature will be 28-30°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-85% and 48-64% respectively. There will be overcast sky for next 5 days. **Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.**

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)	0	14	41	16	4
T-Max(°C)	35	35	37	33	35
T-Min(°C)	30	30	28	28	29
Cloud Cover(octa)	7	7	8	8	7
RH Max (%)	82	81	85	84	80
RH Min (%)	56	56	48	64	58
Wind Speed (Kmph)	16	16	20	16	17
Wind Direction (deg)	193	191	207	249	203

**Agromet Advisory**

**General Advisory:** According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall then actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispiribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimil area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hezxaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.

**Maize:** It is time for sowing of maize for green cob purpose under irrigated condition. Grow high yielding varieties like Navjot, Shakti, Decan-107, Decan-109, Use 6 kg seeds/acre. Apply one third of N and all P & K of the recommended dose of 50:24:24 kg. NPK/acre. Sow the seeds in lines with spacing of 45-60X20 cm at 5 cm soil depth.

**Arhar :** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-durationPrabhat, Upas-120 ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre. Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15 –20 cm plant to plant distance.

**VEGETABLES:**

- Fruit and shoot borer in Brinjal- Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval.
  - Due to Past rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
  - After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
  - After rain, **leaf blight and vine rot** is likely to appear in **pointed gourd**. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
  - **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.
- Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Dr.Dilip Ranjan Sarangi**  
 (Nodal officer)

**Debasish Jena**  
**SMS (Agrometeorology)**  
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Date-03.07.2020

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**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

**District Past week weather condition**

The district received 32mm 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 86-78%. According to NDVI map (24.06.2020 to 30.06.2020) the agriculture vigor was less over maximum blocks and very less over some part of Athagad, Banki and Niali, whereas according to SPI value (cumulative 4weeks- 4June 2020 to 1<sup>st</sup> July 2020), moderately dry condition was there.

**Forecasted period: 04<sup>th</sup> July 2020 to 08<sup>th</sup> July 2020**

**General advisory:** Light to moderate rainfall for upcoming 5 days except Sunday in which heavy rainfall is forecasted. The day temperature will 30-37°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-93% and 41-68% respectively. There will be overcast sky for next 5 days. Farmers should postpone irrigation to the crops as rain is realized and forecasted. Make arrangement to drain out water from arhar and maize crop fields, rice and vegetable nursery beds which are already sown.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	04/07/2020	05/07/2020	06/07/2020	07/07/2020	08/07/2020
Rainfall(mm)	3	13	50	5	6
T-Max(°C)	37	35	36	30	31
T-Min(°C)	25	25	24	24	25
Cloud Cover(octa)	7	7	7	8	7
RH Max (%)	84	82	93	86	83
RH Min (%)	41	45	42	68	61
Wind Speed (Kmph)	12	10	14	11	9
Wind Direction (deg)	153	155	283	270	200

**Agromet Advisory**

**General Advisory:** According to SPI (4<sup>th</sup> June to 1<sup>st</sup> July) moderately dry condition is there. In view of CSIR rainfall map Cuttack received deficit (-32%) rainfall then actual in between 1<sup>st</sup> June to today. As moderate to heavy rainfall is forecasted so, its optimum time for sowing of rice in nursery beds in this week also Farmers are advised to open the drainage channels in nurse beds.

**DIRECT SEEDED RICE:** After recent rain, farmers those who have grown direct seeded paddy, spray weedicide Pyrazosulfuron ethyl@20g a.i. ha-1 in 750 litres after 7 days of germination of paddy. At latter stages, apply Bispyribac sodium@80ml/acre at 2 to 3 leaf stages of the weeds.

**DRY BED NURSERY:** Now the weather is optimum time for nursery sowing of rice under irrigated condition. 10 decimal area is sufficient for nursery sowing for one acre planting. Plough and pulverize the land thoroughly. Layout 6 inches raised beds of 3 ft wide with convenient length. Keep 1 ft wide channel between 2 beds for irrigation and drainage. Apply 40 baskets of FYM, 12 kg Super phosphates and 2 kg MOP to the beds. Sow 25 kg of seeds/acre. Treat the seeds before sowing with fungicide.

**WET BED NURSERY:** In low land go for raising wet bed nursery. Puddle the land 2-3 times followed by planking. Apply 200 kg of FYM, 4kg of DAP, 2.5 kg of MOP during final bed preparation in 10-decimil area. Do not keep standing water in the bed. Apply 4 kg of Urea at 15 DAS to the nursery area. Sow 25 kg of seeds/acre. Apply 400-gram Chlorantraniliprole 0.4 % G or 800-gram Cartap Hydrochloride 4% GR in the 10 decimal nursery area 7 days before transplanting to manage gall midge, stem borer, caseworm, leaf folder and root knot nematode up to 3 weeks after transplanting.

*Intermittent dry and wet weather condition, is favourable for incidence of BLB and Sheath blight in early sown nursery the seedlings. Go for foliar spray of Hexaconazole@1.5ml/l alongwith Plantomycin@1.0 g/l to prevent the spread of the disease.*

**Maize:** It is time for sowing of maize for green cob purpose under irrigated condition. Grow high yielding varieties like Navjot, Shakti, Decan-107, Decan-109, Use 6 kg seeds/acre. Apply one third of N and all P & K of the recommended dose of 50:24:24 kg. NPK/acre. Sow the seeds in lines with spacing of 45-60X20 cm at 5 cm soil depth.

**Arhar :** Now the weather is optimum for sowing of arhar. Grow High Yielding varieties suitable for Orissa climate such as Early-durationPrabhat, Upas-120 ICPL-86012, Medium duration- Asha, Visakha, Use 8-10 kg/acre. Before sowing seeds are to be treated with 2 g Bavistin/kg seeds. Treat the seeds with the Rhizobium culture @ 200 g culture/8-10 kg. Apply 8:16 kg NP/acre during final land preparation under rainfed condition and apply 50% more to irrigated crop. Sow the seeds in line 45-60 cm apart depending upon the duration with 15-20 cm plant to plant distance.

**VEGETABLES:**

- Fruit and shoot borer in Brinjal- Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@300g/acre at 15 days interval.
- Due to Past rain, Chances of **fruit rot** infestation in **chilli and brinjal**, if observe spray Carbendazim 50% WP @ 2 g/litre of water or Copper oxychloride 50% WP @ 3 g/litre of water. If necessary spray second and third round at 15 days interval.
- After cessation of rain, **downy mildew disease** will appear in **cucurbits**. To control it, go for alternate spray of Metalaxyl+Mancozeb@2g/litre and Azoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- After rain, **leaf blight and vine rot** is likely to appear in **pointed gourd**. To control it, spray of Metalaxyl+Mancozeb@2g/litre.
- **Wilting** may observe in **tomato and brinjal** field, to control it drenching with Copper oxychloride 50% WP @ 3 g + Plantomycin @ 1 g/litre of water.

**Animal Husbandry:** Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

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