



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



**Bulletin No-87**  
**Date-08.05.2020**

**E-mail: kvkcuttack@gmail.com**  
**AGROMET ADVISORY BULLETIN FOR ATHAGAD**  
**District Past week weather condition**

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. **According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.**

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 33-37°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-87% and 16-27% respectively. There will be clear to mainly cloudy sky for next 5 days. **As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.**

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Date	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall (mm)	0	3	8	2	0
T-Max (°C)	36	36	37	35	33
T-Min (°C)	24	23	24	22	23
Cloud Cover (octa)	1	3	6	7	6
RH Max (%)	76	72	68	87	74
RH Min (%)	16	23	16	21	27
Wind Speed (kmph)	14	15	14	17	17
Wind Direction (deg)	197	205	199	198	193

**Agromet Advisory**

**KHARIF CROP PLAN:** Prepare the KHARIF CROP PLAN depending upon the land type, soil fertility and irrigation facility. Always use the certified seeds and change it in every 3 years. Yield can be increased by 15% using improved /HYV seeds. Germination test may be carried out in case of own seeds before sowing. Go for non-paddy crops in rainfed uplands such as pulses, oilseeds, cotton, sunflower and vegetables either as sole or as mixed cropping for which seeds are to be collected. Chemical weed control method is to be practiced in case of low land infested with weeds.

**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spay Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
- **Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.
- **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

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

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



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**Bulletin No-87**  
**Date-08.05.2020**

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**AGROMET ADVISORY BULLETIN FOR BADAMBA**

**District Past week weather condition**

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 33-37°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-83% and 16-27% respectively. There will be clear to mainly cloudy sky for next 5 days. As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	4	9	2	0
T-Max(°C)	36	36	37	35	33
T-Min(°C)	24	23	24	22	23
Cloud Cover(octa)	2	3	6	7	5
RH Max (%)	72	61	59	83	64
RH Min (%)	16	23	17	23	27
Wind Speed (Kmph)	13	13	11	14	15
Wind Direction (deg)	167	207	191	167	191

**Agromet Advisory**

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**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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 Aoxystrobin+Tebuconazole @0.6g/litre of water at 10 days interval.
- **Rust** disease is likely to appear in **Cowpea**. Spray Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
- **Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.
- **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

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

**Debasish Jena**

SMS (Agrometeorology)

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**Bulletin No-87**  
**Date-08.05.2020**

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**AGROMET ADVISORY BULLETIN FOR BANKI**

**District Past week weather condition**

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 33-37°C and night temperature will be 21-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-85% and 19-28% respectively. There will be clear to mainly cloudy sky for next 5 days. As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	4	8	2	0
T-Max(°C)	36	36	37	35	33
T-Min(°C)	23	23	24	21	23
Cloud Cover(octa)	1	3	6	7	6
RH Max (%)	75	66	65	85	71
RH Min (%)	19	24	19	22	28
Wind Speed (Kmph)	16	16	14	17	18
Wind Direction (deg)	193	203	203	198	193

**Agromet Advisory**

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**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carabendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spay Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
- **Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.
- **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

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**AGROMET ADVISORY BULLETIN FOR BANKI- DAMPARA**  
**District Past week weather condition**

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 33-37°C and night temperature will be 21-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-86% and 19-28% respectively. There will be clear to mainly cloudy sky for next 5 days. As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.

Block	Banki-Dampara(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	3	9	2	0
T-Max(°C)	36	36	37	35	33
T-Min(°C)	23	23	24	21	23
Cloud Cover(octa)	1	3	6	7	6
RH Max (%)	76	67	67	86	72
RH Min (%)	19	24	19	22	28
Wind Speed (Kmph)	16	16	14	17	18
Wind Direction (deg)	193	200	203	198	193

**Agromet Advisory**

**KHARIF CROP PLAN:** Prepare the KHARIF CROP PLAN depending upon the land type, soil fertility and irrigation facility. Always use the certified seeds and change it in every 3 years. Yield can be increased by 15% using improved /HYV seeds. Germination test may be carried out in case of own seeds before sowing. Go for non-paddy crops in rainfed uplands such as pulses, oilseeds, cotton, sunflower and vegetables either as sole or as mixed cropping for which seeds are to be collected. Chemical weed control method is to be practiced in case of low land infested with weeds.

**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spray Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clear and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
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**AGROMET ADVISORY BULLETIN FOR BARANGA**

**District Past week weather condition**

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. **According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.**

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 33-38°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-89% and 22-30% respectively. There will be clear to mainly cloudy sky for next 5 days. **As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	4	10	2	0
T-Max(°C)	35	36	38	35	33
T-Min(°C)	24	24	24	22	23
Cloud Cover	0	2	5	6	7
RH Max (%)	82	77	76	89	77
RH Min (%)	22	26	22	23	30
Wind Speed (Kmph)	18	19	17	19	19
Wind Direction (deg)	203	200	203	201	203

**Agromet Advisory**

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**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spray Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clear and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
- **Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.

**The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

**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-87**  
**Date-08.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

**District Past week weather condition**

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 33-37°C and night temperature will be 22-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-88% and 17-29% respectively. There will be clear to mainly cloudy sky for next 5 days. As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	5	12	3	0
T-Max(°C)	36	36	37	35	33
T-Min(°C)	24	24	25	22	23
Cloud Cover(octa)	1	2	5	6	6
RH Max (%)	80	79	75	88	75
RH Min (%)	17	24	18	22	29
Wind Speed (Kmph)	16	18	16	18	19
Wind Direction (deg)	201	200	203	201	198

**Agromet Advisory**

**KHARIF CROP PLAN:** Prepare the KHARIF CROP PLAN depending upon the land type, soil fertility and irrigation facility. Always use the certified seeds and change it in every 3 years. Yield can be increased by 15% using improved /HYV seeds. Germination test may be carried out in case of own seeds before sowing. Go for non-paddy crops in rainfed uplands such as pulses, oilseeds, cotton, sunflower and vegetables either as sole or as mixed cropping for which seeds are to be collected. Chemical weed control method is to be practiced in case of low land infested with weeds.

**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spray Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clear and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
- **Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.
- **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

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

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



**Bulletin No-87**  
**Date-08.05.2020**

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

**District Past week weather condition**

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 33-38°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-90% and 28-35% respectively. There will be clear to mainly cloudy sky for next 5 days. As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	3	7	2	0
T-Max(°C)	35	36	38	35	33
T-Min(°C)	24	24	24	22	23
Cloud Cover(octa)	0	2	5	5	7
RH Max (%)	85	80	78	90	77
RH Min (%)	29	29	29	28	35
Wind Speed (Kmph)	20	20	18	19	20
Wind Direction (deg)	203	198	203	201	204

**Agromet Advisory**

**KHARIF CROP PLAN:** Prepare the KHARIF CROP PLAN depending upon the land type, soil fertility and irrigation facility. Always use the certified seeds and change it in every 3 years. Yield can be increased by 15% using improved /HYV seeds. Germination test may be carried out in case of own seeds before sowing. Go for non-paddy crops in rainfed uplands such as pulses, oilseeds, cotton, sunflower and vegetables either as sole or as mixed cropping for which seeds are to be collected. Chemical weed control method is to be practiced in case of low land infested with weeds.

**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spray Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clear and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
- **Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.
- **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

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

**Debasish Jena**  
**SMS (Agrometeorology)**  
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**GRAMIN KRUSHI MAUSAM SEVA**  
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**DISTRICT AGROMET UNIT**  
**KRISHI VIGYAN KENDRA CUTTACK**  
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**Bulletin No-87**  
**Date-08.05.2020**

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

**District Past week weather condition**

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 33-37°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-87% and 20-33% respectively. There will be clear to mainly cloudy sky for next 5 days. As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	6	11	2	0
T-Max(°C)	36	36	37	34	33
T-Min(°C)	24	24	24	22	23
Cloud Cover(octal)	0	2	5	6	7
RH Max (%)	81	83	75	87	77
RH Min (%)	20	26	22	26	33
Wind Speed (Kmph)	18	18	18	18	20
Wind Direction (deg)	201	200	203	201	204

**Agromet Advisory**

**KHARIF CROP PLAN:** Prepare the KHARIF CROP PLAN depending upon the land type, soil fertility and irrigation facility. Always use the certified seeds and change it in every 3 years. Yield can be increased by 15% using improved /HYV seeds. Germination test may be carried out in case of own seeds before sowing. Go for non-paddy crops in rainfed uplands such as pulses, oilseeds, cotton, sunflower and vegetables either as sole or as mixed cropping for which seeds are to be collected. Chemical weed control method is to be practiced in case of low land infested with weeds.

**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spray Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.

**Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.

**The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

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

**Debasish Jena**  
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**GRAMIN KRUSHI MAUSAM SEVA**  
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**DISTRICT AGROMET UNIT**  
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**Bulletin No-87**  
**Date-08.05.2020**

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**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

**District Past week weather condition**

The district received **37 mm rainfall during the last week**. The mean daily maximum and minimum temperature was **35°C and 23°C**, respectively. Relative humidity of the district was around **83-70%**. **According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.**

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will **32-38°C** and night temperature will be **21-23°C** for upcoming 5 days. Maximum and minimum relative humidity will be **53-81%** and **13-23%** respectively. There will be clear to mainly cloudy sky for next 5 days. **As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.**

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	2	8	1	9
T-Max(°C)	37	37	38	33	32
T-Min(°C)	23	23	23	22	21
Cloud Cover(/octa)	2	3	6	7	6
RH Max (%)	70	53	55	81	62
RH Min (%)	13	19	14	22	23
Wind Speed (Kmph)	10	10	7	10	10
Wind Direction (deg)	171	198	207	162	200

**Agromet Advisory**

**KHARIF CROP PLAN:** Prepare the **KHARIF CROP PLAN** depending upon the land type, soil fertility and irrigation facility. Always use the certified seeds and change it in every 3 years. Yield can be increased by 15% using improved /HYV seeds. Germination test may be carried out in case of own seeds before sowing. Go for non-paddy crops in rainfed uplands such as pulses, oilseeds, cotton, sunflower and vegetables either as sole or as mixed cropping for which seeds are to be collected. Chemical weed control method is to be practiced in case of low land infested with weeds.

**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spray Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clear and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
- **Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.
- **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

**Dr.Dilip Ranjan Sarangi**  
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**AGROMET ADVISORY BULLETIN FOR NIALI**

**District Past week weather condition**

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 34-38°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-90% and 33-41% respectively. There will be clear to mainly cloudy sky for next 5 days. As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	2	7	2	0
T-Max(°C)	35	36	38	35	34
T-Min(°C)	24	24	24	22	23
Cloud Cover(octa)	0	1	5	5	7
RH Max (%)	87	82	81	90	78
RH Min (%)	35	34	33	35	41
Wind Speed(Kmph)	21	21	19	18	21
Wind Direction(deg)	203	201	203	203	204

**Agromet Advisory**

**KHARIF CROP PLAN:** Prepare the KHARIF CROP PLAN depending upon the land type, soil fertility and irrigation facility. Always use the certified seeds and change it in every 3 years. Yield can be increased by 15% using improved /HYV seeds. Germination test may be carried out in case of own seeds before sowing. Go for non-paddy crops in rainfed uplands such as pulses, oilseeds, cotton, sunflower and vegetables either as sole or as mixed cropping for which seeds are to be collected. Chemical weed control method is to be practiced in case of low land infested with weeds.

**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spray Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clear and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiometoxam 25WG @ 60g/acre.
- **Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.
- **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

**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-87**  
**Date-08.05.2020**

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

**District Past week weather condition**

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 33-37°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-88 % and 23-34% respectively. There will be clear to mainly cloudy sky for next 5 days. As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	5	10	2	0
T-Max(°C)	36	36	37	34	33
T-Min(°C)	24	24	24	22	23
Cloud Cover(octa)	0	2	5	5	7
RH Max (%)	83	82	76	88	77
RH Min (%)	23	27	24	27	34
Wind Speed (Kmph)	19	19	18	19	20
Wind Direction (deg)	198	200	201	201	204

**Agromet Advisory**

**KHARIF CROP PLAN:** Prepare the KHARIF CROP PLAN depending upon the land type, soil fertility and irrigation facility. Always use the certified seeds and change it in every 3 years. Yield can be increased by 15% using improved /HYV seeds. Germination test may be carried out in case of own seeds before sowing. Go for non-paddy crops in rainfed uplands such as pulses, oilseeds, cotton, sunflower and vegetables either as sole or as mixed cropping for which seeds are to be collected. Chemical weed control method is to be practiced in case of low land infested with weeds.

**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spray Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
- **Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.
- **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

**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-87**  
**Date-08.05.2020**

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**AGROMET ADVISORY BULLETIN FOR SALEPUR**

**District Past week weather condition**

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 33-37°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-88% and 21-33% respectively. There will be clear to mainly cloudy sky for next 5 days. As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	5	9	2	0
T-Max(°C)	36	36	37	35	33
T-Min(°C)	24	24	24	22	23
Cloud Cover(octa)	0	2	5	5	7
RH Max (%)	82	82	76	88	77
RH Min (%)	21	27	23	26	33
Wind Speed (Kmph)	18	19	18	19	20
Wind Direction (deg)	198	200	201	201	204

**Agromet Advisory**

**KHARIF CROP PLAN:** Prepare the KHARIF CROP PLAN depending upon the land type, soil fertility and irrigation facility. Always use the certified seeds and change it in every 3 years. Yield can be increased by 15% using improved /HYV seeds. Germination test may be carried out in case of own seeds before sowing. Go for non-paddy crops in rainfed uplands such as pulses, oilseeds, cotton, sunflower and vegetables either as sole or as mixed cropping for which seeds are to be collected. Chemical weed control method is to be practiced in case of low land infested with weeds.

**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spray Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
- **Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.
- **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

**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-87**  
**Date-08.05.2020**

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**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

District Past week weather condition

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.

Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 35-39°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-88% and 41-54% respectively. There will be clear to mainly cloudy sky for next 5 days. As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	3	8	1	0
T-Max(°C)	37	37	39	36	35
T-Min(°C)	29	29	29	27	28
Cloud Cover(octa)	0	1	4	4	7
RH Max (%)	88	85	84	87	78
RH Min (%)	48	47	41	51	54
Wind Speed (Kmph)	22	21	22	20	23
Wind Direction (deg)	203	203	203	204	204

Agromet Advisory

**KHARIF CROP PLAN:** Prepare the KHARIF CROP PLAN depending upon the land type, soil fertility and irrigation facility. Always use the certified seeds and change it in every 3 years. Yield can be increased by 15% using improved /HYV seeds. Germination test may be carried out in case of own seeds before sowing. Go for non-paddy crops in rainfed uplands such as pulses, oilseeds, cotton, sunflower and vegetables either as sole or as mixed cropping for which seeds are to be collected. Chemical weed control method is to be practiced in case of low land infested with weeds.

**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spray Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clear and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
- **Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.
- **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

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

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



**Bulletin No-87**  
**Date-08.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

**District Past week weather condition**

The district received 37 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 23°C, respectively. Relative humidity of the district was around 83-70%. According to NDVI map (29.04.2020 to 05.05.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-09April 2020 to 06 May 2020), severely wet condition was there.

**Forecasted period: 09<sup>th</sup> May 2020 to 13<sup>th</sup> May 2020**

**General Advisory:** Light to moderate rain or thundershower is forecasted for tomorrow, Sunday and Monday. The day temperature will 33-37°C and night temperature will be 21-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 62-85% and 16-27% respectively. There will be clear to mainly cloudy sky for next 5 days. As rainfall is realized continuously in the last 3 weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation. As the district was severely wet for last 4weeks farmers should stop their irrigation activities for some days if possible.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020
Rainfall(mm)	0	3	7	2	0
T-Max(°C)	36	36	37	35	33
T-Min(°C)	24	23	24	21	23
Cloud Cover(octa)	2	3	6	7	6
RH Max (%)	74	68	62	85	70
RH Min (%)	16	23	16	22	27
Wind Speed (Kmph)	14	14	13	16	17
Wind Direction (deg)	189	198	171	180	193

**Agromet Advisory**

**KHARIF CROP PLAN:** Prepare the KHARIF CROP PLAN depending upon the land type, soil fertility and irrigation facility. Always use the certified seeds and change it in every 3 years. Yield can be increased by 15% using improved /HYV seeds. Germination test may be carried out in case of own seeds before sowing. Go for non-paddy crops in rainfed uplands such as pulses, oilseeds, cotton, sunflower and vegetables either as sole or as mixed cropping for which seeds are to be collected. Chemical weed control method is to be practiced in case of low land infested with weeds.

**SUMMER PLOUGHING:** Go for summer ploughing to utilize the summer rain occurred in the last week. Summer ploughing should be done in rainfed lowland areas where direct seeded rice is grown and first ploughing should be done with Mould Board plough so that at least 15 - 20 cm of soil gets ploughed and second ploughing may be done with cultivators. In light soil conditions, fine tilth should be done with rotavators for direct seeding.

**GREEN MANURING:** In medium and low land, Dhaincha seeds @25kg/ha should be broadcasted as a pre kharif green manuring crop. In uplands, sow Cowpea@25kg/ha or Guar@40kg/ha. Apply all phosphatic fertilizers of Kharif rice to these green manuring crops in advance.

**JUTE:** The weather is optimum for Jute sowing. Grow the recommended variety JRO-524 (Naveen) of 130 to 140 days duration and resistant to mite. Apply 5 cartload of FYM per acre during final land preparation and apply 12:12 kg PK/acre as basal. Use 2 kg seeds/acre for line sowing and 3 kg seeds for broadcasting. Before sowing seeds are to be treated with 2 g Carbendazim or 3 g Thiram/kg seeds to avoid root and stem rot. To maintain 2 lakh healthy plants/acre, sow the seeds in lines at 25 cm apart with 3 cm depth.

**VEGETABLES AND FRUITS:**

- 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.
- **Rust** disease is likely to appear in **Cowpea**. Spray Chlorothalonil@2g/litre of water.
- Incidence of **thrips** may observe in **chilli**, if observe spray Spinosad 45% SC @ 0.4 ml/litre of water or Imidacloprid 17.8% SL @ 0.3 ml/litre of water in clean and dry weather.
- **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.
- Present weather may aggravate **fruit and vine rot** (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of **pointed gourd**. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **Pumpkin beetle** is an important pest found in **pumpkin**. To control this apply Carbaryl (0.4kg/acre) or Malathion (2kg/acre). Destroy the old and infested plants.
- Current weather favours spread of **YMV** in **Ladies finger**. In case of appearance of diseases, rogue out affected plants and spray Thiomethoxam 25WG @ 60g/acre.
- **Animal Husbandry:** Provide sufficient clean drinking water to cattle and keep their sheds clean. Due to increase in temperature, don't allow the domestic animals to outside for grazing during 11 am to 3 pm. Provide vaccination at regular interval.
- **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility, Variety availability and irrigation facility.**

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