



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



**Bulletin No-93**  
**Date-29.05.2020**

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

**District Past week weather condition**

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 37-38°C and night temperature will be 26-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-88% and 28-41% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall (mm)	4	12	11	3	5
T-Max (°C)	37	37	37	38	38
T-Min (°C)	28	27	26	27	29
Cloud Cover (octa)	3	4	5	7	6
RH Max (%)	83	88	75	73	72
RH Min (%)	37	41	35	37	28
Wind Speed (kmph)	24	24	12	13	15
Wind Direction (deg)	200	180	198	191	207

**Agromet Advisory**

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhazi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada. **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat. **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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:**

- **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.
- **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 animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Monsoon Forecast:** This year, the onset of southwest monsoon over Kerala this year is likely to be slightly delayed as compared to normal date of onset. The monsoon onset over Kerala this year is likely to be on 5th June with a model error of ± 4 days.

**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-93**  
**Date-29.05.2020**

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

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 37-39°C and night temperature will be 26-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-88% and 26-36% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	3	6	13	8	7
T-Max(°C)	37	38	39	38	37
T-Min(°C)	27	26	26	26	29
Cloud Cover(octa)	3	3	6	7	7
RH Max (%)	85	88	70	71	70
RH Min (%)	33	36	29	31	26
Wind Speed (Kmph)	21	19	11	11	12
Wind Direction (deg)	169	162	180	180	225

Agromet Advisory

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhagi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada. **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat. **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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:**

- **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.
- **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 animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Monsoon Forecast:** This year, the onset of southwest monsoon over Kerala this year is likely to be slightly delayed as compared to normal date of onset. The monsoon onset over Kerala this year is likely to be on 5th June with a model error of ± 4 days.

**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-93**  
**Date-29.05.2020**

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

District Past week weather condition

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 37-38°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-87% and 29-43% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	4	13	16	8	9
T-Max(°C)	37	38	38	38	38
T-Min(°C)	27	26	26	26	28
Cloud Cover(octa)	3	3	6	7	6
RH Max (%)	84	87	74	74	73
RH Min (%)	40	43	37	39	29
Wind Speed (Kmph)	24	23	13	14	15
Wind Direction (deg)	197	167	199	191	203

Agromet Advisory

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhazi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada. **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat. **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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:**

- **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.
- **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 animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Monsoon Forecast:** This year, the onset of southwest monsoon over Kerala this year is likely to be slightly delayed as compared to normal date of onset. The monsoon onset over Kerala this year is likely to be on 5th June with a model error of ± 4 days.

**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-93**  
**Date-29.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR BANKI- DAMPARA**

**District Past week weather condition**

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 37-38°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-87% and 30-44% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Banki-Dampara(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	4	14	15	9	9
T-Max(°C)	37	37	38	38	38
T-Min(°C)	27	26	26	27	28
Cloud Cover(octa)	3	3	6	7	6
RH Max (%)	84	87	75	74	74
RH Min (%)	41	44	39	40	30
Wind Speed (Kmph)	24	23	13	14	16
Wind Direction (deg)	200	167	199	191	203

**Agromet Advisory**

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhazi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada. **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat. **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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:**

- **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.
- **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 animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Monsoon Forecast:** This year, the onset of southwest monsoon over Kerala this year is likely to be slightly delayed as compared to normal date of onset. The monsoon onset over Kerala this year is likely to be on 5th June with a model error of ± 4 days.

**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-93**  
**Date-29.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR BARANGA**

**District Past week weather condition**

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 35-38°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-86% and 34-52% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	5	13	8	5	8
T-Max(°C)	36	35	36	38	38
T-Min(°C)	28	28	27	28	28
Cloud Cover	4	4	6	7	6
RH Max (%)	83	86	80	78	81
RH Min (%)	45	52	50	44	34
Wind Speed (Kmph)	25	25	18	19	20
Wind Direction (deg)	198	201	201	203	203

**Agromet Advisory**

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhazi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada. **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat. **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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:**

- **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.
- **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 animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Monsoon Forecast:** This year, the onset of southwest monsoon over Kerala this year is likely to be slightly delayed as compared to normal date of onset. The monsoon onset over Kerala this year is likely to be on 5th June with a model error of ± 4 days.

**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-93**  
**Date-29.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR**

**District Past week weather condition**

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 35-38°C and night temperature will be 27-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-86% and 30-46% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	6	14	12	3	9
T-Max(°C)	36	35	37	38	38
T-Min(°C)	28	27	27	28	29
Cloud Cover(octa)	4	4	5	6	6
RH Max (%)	83	86	77	75	77
RH Min (%)	42	46	42	40	30
Wind Speed (Kmph)	24	25	16	17	19
Wind Direction (deg)	198	201	193	203	207

**Agromet Advisory**

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhazi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada. **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat. **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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.

**Sugarcane:** Due to ensuing heat condition after cyclone, provide frequent irrigation and trash mulching to reduce moisture loss due to evaporation. To minimize infestation of top shoot borer, spray Lamba cyhalothrin @2ml/litre of water.

**VEGETABLES AND FRUITS:**

- **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.
- **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 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-93**  
**Date-29.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

**District Past week weather condition**

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 35-38°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-85% and 41-56% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	7	14	11	4	7
T-Max(°C)	35	35	35	36	38
T-Min(°C)	29	28	28	28	28
Cloud Cover(octa)	4	5	5	7	6
RH Max (%)	83	85	83	82	85
RH Min (%)	47	55	56	49	41
Wind Speed (Kmph)	24	25	22	23	23
Wind Direction (deg)	201	203	203	203	203

**Agromet Advisory**

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhazi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada. **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat. **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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.

**Sugarcane:** Due to ensuing heat condition after cyclone, provide frequent irrigation and trash mulching to reduce moisture loss due to evaporation. To minimize infestation of top shoot borer, spray Lamba cyhalothrin @2ml/litre of water.

**VEGETABLES AND FRUITS:**

- **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.
- **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 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-93**  
**Date-29.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR MAHANGA**

**District Past week weather condition**

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 35-39°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-84% and 30-48% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	8	13	12	2	8
T-Max(°C)	36	35	36	38	39
T-Min(°C)	28	28	28	28	29
Cloud Cover(octal)	4	4	5	6	6
RH Max (%)	81	84	77	76	78
RH Min (%)	42	48	43	40	30
Wind Speed (Kmph)	23	24	21	22	21
Wind Direction (deg)	201	203	203	203	212

**Agromet Advisory**

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhazi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada. **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat. **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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.

**Sugarcane:** Due to ensuing heat condition after cyclone, provide frequent irrigation and trash mulching to reduce moisture loss due to evaporation. To minimize infestation of top shoot borer, spray Lamba cyhalothrin @2ml/litre of water.

**VEGETABLES AND FRUITS:**

- **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.
- **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 animals. Contact departmental personnel for vaccination. Keep the animal shed clean

**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-93**  
**Date-29.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

**District Past week weather condition**

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 37-39°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-87% and 23-33% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	2	8	11	9	5
T-Max(°C)	37	38	39	39	37
T-Min(°C)	27	26	26	26	28
Cloud Cover(/octa)	3	3	6	7	7
RH Max (%)	86	87	67	71	63
RH Min (%)	26	33	26	26	23
Wind Speed (Kmph)	14	12	9	8	8
Wind Direction (deg)	171	158	214	210	207

**Agromet Advisory**

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhazi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada. **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat. **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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:**

- **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.
- **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 animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Monsoon Forecast:** This year, the onset of southwest monsoon over Kerala this year is likely to be slightly delayed as compared to normal date of onset. The monsoon onset over Kerala this year is likely to be on 5th June with a model error of ± 4 days.

**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-93**  
**Date-29.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR NIALI**

**District Past week weather condition**

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 35-37°C and night temperature will be 28°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-86% and 48-59% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	6	15	12	4	8
T-Max(°C)	35	35	35	36	37
T-Min(°C)	28	28	28	28	28
Cloud Cover(octa)	4	5	5	7	6
RH Max (%)	83	86	84	84	86
RH Min (%)	52	58	59	53	48
Wind Speed(Kmph)	24	26	24	26	25
Wind Direction(deg)	201	203	203	203	203

**Agromet Advisory**

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabghi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada . **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat . **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain . Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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.

**Sugarcane:** Due to ensuing heat condition after cyclone, provide frequent irrigation and trash mulching to reduce moisture loss due to evaporation. To minimize infestation of top shoot borer, spray Lamba cyhalothrin @2ml/litre of water.

**VEGETABLES AND FRUITS:**

- **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.
- **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 animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Monsoon Forecast:** This year, the onset of southwest monsoon over Kerala this year is likely to be slightly delayed as compared to normal date of onset. The monsoon onset over Kerala this year is likely to be on 5th June with a model error of ± 4 days.

**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-93**  
**Date-29.05.2020**

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

**District Past week weather condition**

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 35-39°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 79-84% and 33-50% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	8	13	15	3	9
T-Max(°C)	36	35	36	37	39
T-Min(°C)	28	28	28	28	29
Cloud Cover(octa)	4	5	5	6	6
RH Max (%)	82	84	79	79	81
RH Min (%)	44	50	48	44	33
Wind Speed (Kmph)	23	25	22	23	22
Wind Direction (deg)	201	203	203	203	204

**Agromet Advisory**

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhazi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada . **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat . **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain . Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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.

**Sugarcane:** Due to ensuing heat condition after cyclone, provide frequent irrigation and trash mulching to reduce moisture loss due to evaporation To minimize infestation of top shoot borer, spray Lamba cyhalothrin @2ml/litre of water.

**VEGETABLES AND FRUITS:**

- **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.
- **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 animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Monsoon Forecast:** This year, the onset of southwest monsoon over Kerala this year is likely to be slightly delayed as compared to normal date of onset. The monsoon onset over Kerala this year is likely to be on 5th June with a model error of ± 4 days.

**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-93**  
**Date-29.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR SALEPUR**

**District Past week weather condition**

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 35-39°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-84% and 32-49% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	6	12	14	2	8
T-Max(°C)	36	35	36	37	39
T-Min(°C)	28	28	28	28	29
Cloud Cover(octa)	4	5	5	6	6
RH Max (%)	82	84	79	78	80
RH Min (%)	43	49	47	43	32
Wind Speed (Kmph)	23	25	21	22	21
Wind Direction (deg)	201	203	203	203	204

**Agromet Advisory**

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhazi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada . **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat . **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain . Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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:**

- **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.
- **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 animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Monsoon Forecast:** This year, the onset of southwest monsoon over Kerala this year is likely to be slightly delayed as compared to normal date of onset. The monsoon onset over Kerala this year is likely to be on 5th June with a model error of ± 4 days.

**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-93**  
**Date-29.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

District Past week weather condition

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 33-36°C and night temperature will be 30°C for upcoming 5 days. Maximum and minimum relative humidity will be 86-87% and 57-64% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Date	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	5	11	13	2	6
T-Max(°C)	35	35	35	35	36
T-Min(°C)	30	30	30	30	30
Cloud Cover(octa)	4	5	5	6	6
RH Max (%)	86	86	86	87	87
RH Min (%)	61	64	64	60	57
Wind Speed (Kmph)	24	26	29	30	28
Wind Direction (deg)	201	204	203	204	204

Agromet Advisory

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhazi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada . **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat . **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain . Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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:**

- **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.
- **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 animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Monsoon Forecast:** This year, the onset of southwest monsoon over Kerala this year is likely to be slightly delayed as compared to normal date of onset. The monsoon onset over Kerala this year is likely to be on 5th June with a model error of ± 4 days.

**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-93**  
**Date-29.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

**District Past week weather condition**

The district received 34 mm rainfall during the last week. The mean daily maximum and minimum temperature was 35°C and 26°C, respectively. Relative humidity of the district was around 80-72%. **According to NDVI map (13.05.2020 to 19.05.2020) the agriculture vigor was moderate over few blocks, whereas according to SPI value (cumulative 4weeks-30April 2020 to 27May 2020), moderately wet condition was there.**

**Forecasted period: 30<sup>th</sup> May 2020 to 03<sup>rd</sup> June 2020**

**General advisory:** Light to moderate rainfall is forecasted for upcoming 5 days. The day temperature will 37-39°C and night temperature will be 26-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-88% and 27-38% respectively. There will be partly cloudy to overcast sky for next 5 days. **As rainfall is forecasted, Farmers should start summer ploughing and sowing of green manure crops like dhanicha by utilizing the forecasted rainfall and should stop fertilizer, pesticide application and irrigation activities till Tuesday**

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Date	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020
Rainfall(mm)	3	8	12	7	5
T-Max(°C)	37	37	38	39	37
T-Min(°C)	27	26	26	26	29
Cloud Cover(octa)	3	4	6	7	6
RH Max (%)	84	88	72	72	70
RH Min (%)	34	38	31	33	27
Wind Speed (Kmph)	23	22	11	12	13
Wind Direction (deg)	197	162	198	191	212

**Agromet Advisory**

**SUMMER PLOUGHING:** Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

Collect the following paddy seeds from Govt. Sales Centre. **Extra early-** Nabanna, Kaling-3, **Early-** Sahabhazi, Shatabdi, Mandakini, Khandagiri, Bandana, Pathara, Parijat, Annada . **Medium-** Bina -11, Swarna, Pratibha, MTU- 1001, MTU-1010, Konark, Gajapati, Surendra, Lalat . **Late-** CR-1009, CR-1018, Hasant, Indravati, Mahanadi, Puja, Ramachandi, Kanchana, Sarala, **Fine-** CR-1014, BPT-5204.

**GREEN MANURING:** Optimum time for sowing of green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain . Green manuring crops are sown in medium and low land condition at 6-8 weeks before transplanting of rice. Use 10 kg seeds of Sesbania per acre.. Apply all the recommended dose of phosphorous of rice (100 kg of SSP) to the field during sowing time. Incorporate the green manuring plant at 6-8 week stage for better decomposition before transplanting. It adds 6-7 tons of green matter and in turn 25-30 kg of N to the succeeding rice crop per ha.

**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:**

- **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.
- **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 animals. Contact departmental personnel for vaccination. Keep the animal shed clean and dry.

**Monsoon Forecast:** This year, the onset of southwest monsoon over Kerala this year is likely to be slightly delayed as compared to normal date of onset. The monsoon onset over Kerala this year is likely to be on 5th June with a model error of ± 4 days.

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

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