



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



**Bulletin No-88**  
**Date-12.05.2020**

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**AGROMET ADVISORY BULLETIN FOR ATHAGAD**

**District Past week weather condition**

The district received **09 mm rainfall during the last week**. The mean daily maximum and minimum temperature was 36°C and 22°C, respectively. Relative humidity of the district was around 74-64%. **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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020**

**General Advisory:** **Very light rain or thundershower is forecasted for Friday and Saturday.** The day temperature will 36°C and night temperature will be 23-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-84% and 16-28% respectively. There will be clear to partly cloudy sky for next 5 days. **As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.**

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Date	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall (mm)	0	0	0	2	2
T-Max (°C)	36	36	36	36	36
T-Min (°C)	24	23	24	25	24
Cloud Cover (octa)	1	0	0	1	4
RH Max (%)	65	73	74	78	84
RH Min (%)	19	16	21	26	28
Wind Speed (kmph)	15	20	21	20	21
Wind Direction (deg)	198	198	201	193	189

**Agromet Advisory**

**KHARIF CROP PLAN:** According IMD forecast this year we may received normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 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. Proper ventilation in the interior of the shed should be assured to birds.

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

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



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**Bulletin No-88**  
**Date-12.05.2020**

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

The district received 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 22°C, respectively. Relative humidity of the district was around 74-64%. 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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020**

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. The day temperature will 35-36°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 62-76% and 16-27% respectively. There will be clear to partly cloudy sky for next 5 days. As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	0	0	0	2	2
T-Max(°C)	35	36	36	36	36
T-Min(°C)	23	23	23	24	24
Cloud Cover(octa)	1	0	1	2	4
RH Max (%)	62	66	73	76	76
RH Min (%)	21	16	21	25	27
Wind Speed (Kmph)	14	17	18	17	17
Wind Direction (deg)	180	180	198	193	195

**Agromet Advisory**

**KHARIF CROP PLAN:** According IMD forecast this year we may received normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 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. Proper ventilation in the interior of the shed should be assured to birds.

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

**Debasish Jena**  
**SMS (Agrometeorology)**  
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Bulletin No-88  
Date-12.05.2020

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

District Past week weather condition

The district received 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 22°C, respectively. Relative humidity of the district was around 74-64%. 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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. The day temperature will 35-36°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 64-82% and 17-31% respectively. There will be clear to partly cloudy sky for next 5 days. As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	0	0	0	2	2
T-Max(°C)	35	36	36	36	36
T-Min(°C)	23	23	23	24	24
Cloud Cover(octa)	1	0	1	1	4
RH Max (%)	64	72	74	78	82
RH Min (%)	21	17	22	29	31
Wind Speed (Kmph)	16	20	21	21	20
Wind Direction (deg)	198	198	198	193	189

Agromet Advisory

**KHARIF CROP PLAN:** According to IMD forecast this year we may receive normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 Carbazodim 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 Carbazodim 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 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. Proper ventilation in the interior of the shed should be assured to birds.

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**Bulletin No-88**  
**Date-12.05.2020**

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

The district received 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 22°C, respectively. Relative humidity of the district was around 74-64%. 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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020**

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. The day temperature will 36°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-83% and 17-31% respectively. There will be clear to partly cloudy sky for next 5 days. As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	0	0	0	2	2
T-Max(°C)	36	36	36	36	36
T-Min(°C)	23	23	23	24	24
Cloud Cover(octa)	1	0	1	1	4
RH Max (%)	65	73	75	78	83
RH Min (%)	21	17	23	29	31
Wind Speed (Kmph)	16	20	21	21	20
Wind Direction (deg)	198	201	198	193	189

**Agromet Advisory**

**KHARIF CROP PLAN:** According IMD forecast this year we may received normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 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. Proper ventilation in the interior of the shed should be assured to birds.

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Date-12.05.2020

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

District Past week weather condition

The district received 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 22°C, respectively. Relative humidity of the district was around 74-64%. 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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. The day temperature will 35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-88% and 18-34% respectively. There will be clear to partly cloudy sky for next 5 days. As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	1	0	0	2	3
T-Max(°C)	35	35	35	35	35
T-Min(°C)	24	24	25	25	24
Cloud Cover	2	0	1	0	4
RH Max (%)	72	79	77	81	88
RH Min (%)	22	18	26	32	34
Wind Speed (Kmph)	18	23	25	24	22
Wind Direction (deg)	201	203	203	203	203

Agromet Advisory

**KHARIF CROP PLAN:** According IMD forecast this year we may received normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 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:**

- **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 Carabendazim 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 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. Proper ventilation in the interior of the shed should be assured to birds.

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-88**  
**Date-12.05.2020**

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

The district received 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 22°C, respectively. Relative humidity of the district was around 74-64%. 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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020**

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. The day temperature will 35°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-87% and 17-31% respectively. There will be clear to partly cloudy sky for next 5 days. As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	0	0	0	3	4
T-Max(°C)	35	35	35	35	35
T-Min(°C)	24	24	25	25	24
Cloud Cover(octa)	1	0	1	1	4
RH Max (%)	70	78	75	79	87
RH Min (%)	20	17	23	29	31
Wind Speed (Kmph)	17	22	24	22	21
Wind Direction (deg)	198	203	203	203	203

**Agromet Advisory**

**KHARIF CROP PLAN:** According IMD forecast this year we may received normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 Oxylchloride 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. Proper ventilation in the interior of the shed should be assured to birds.

**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-88**  
**Date-12.05.2020**

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

District Past week weather condition

The district received **09 mm rainfall during the last week**. The mean daily maximum and minimum temperature was **36°C and 22°C**, respectively. Relative humidity of the district was around **74-64%**. **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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. The day temperature will **34-35°C** and night temperature will be **24-25°C** for upcoming 5 days. Maximum and minimum relative humidity will be **76-87%** and **19-39%** respectively. There will be clear to partly cloudy sky for next 5 days. **As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.**

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	0	0	0	2	2
T-Max(°C)	35	35	34	34	34
T-Min(°C)	25	24	25	25	25
Cloud Cover(octa)	2	0	1	0	4
RH Max (%)	76	81	78	83	87
RH Min (%)	26	19	32	36	39
Wind Speed (Kmph)	19	23	26	24	22
Wind Direction (deg)	201	203	203	203	203

Agromet Advisory

**KHARIF CROP PLAN:** According IMD forecast this year we may received normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 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:**

- **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 Carabendazim 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 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. Proper ventilation in the interior of the shed should be assured to birds.

**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-88**  
**Date-12.05.2020**

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

District Past week weather condition

The district received 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 22°C, respectively. Relative humidity of the district was around 74-64%. 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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. The day temperature will 34-36°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 73-84% and 18-36% respectively. There will be clear to partly cloudy sky for next 5 days. As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	0	0	0	3	4
T-Max(°C)	36	36	35	35	34
T-Min(°C)	24	24	25	25	25
Cloud Cover(octal)	1	0	1	2	4
RH Max (%)	73	77	74	78	84
RH Min (%)	23	18	25	30	36
Wind Speed (Kmph)	17	23	25	24	21
Wind Direction (deg)	198	203	203	203	198

Agromet Advisory

**KHARIF CROP PLAN:** According IMD forecast this year we may received normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 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:**

- **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 Carabendazim 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 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. Proper ventilation in the interior of the shed should be assured to birds.

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

**Debasish Jena**  
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**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-88  
Date-12.05.2020

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

District Past week weather condition

The district received 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 22°C, respectively. Relative humidity of the district was around 74-64%. 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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. The day temperature will 35-37°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-78% and 14-22% respectively. There will be clear to partly cloudy sky for next 5 days. As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	0	0	0	3	3
T-Max(°C)	35	36	36	37	36
T-Min(°C)	22	22	23	24	24
Cloud Cover(/octa)	1	1	2	3	4
RH Max (%)	62	60	71	78	72
RH Min (%)	21	14	18	21	22
Wind Speed (Kmph)	10	12	11	10	11
Wind Direction (deg)	193	180	193	199	165

Agromet Advisory

**KHARIF CROP PLAN:** According IMD forecast this year we may received normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 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:**

- **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 Carabendazim 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 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. Proper ventilation in the interior of the shed should be assured to birds.

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-88**  
**Date-12.05.2020**

E-mail: kvkcuttack@gmail.com

**AGROMET ADVISORY BULLETIN FOR NIALI**

**District Past week weather condition**

The district received 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 22°C, respectively. Relative humidity of the district was around 74-64%. 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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020**

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. The day temperature will 34-36°C and night temperature will be 25°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-87% and 23-44% respectively. There will be clear to partly cloudy sky for next 5 days. As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Date	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	0	0	0	2	3
T-Max(°C)	36	35	34	34	34
T-Min(°C)	25	25	25	25	25
Cloud Cover(octa)	0	0	1	0	4
RH Max (%)	77	82	80	84	87
RH Min (%)	30	23	37	42	44
Wind Speed(Kmph)	19	23	26	24	21
Wind Direction(deg)	201	203	203	203	203

**Agromet Advisory**

**KHARIF CROP PLAN:** According IMD forecast this year we may received normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 Aoxystrobin+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. Proper ventilation in the interior of the shed should be assured to birds.

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

**Debasish Jena**

SMS (Agrometeorology)

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



**Bulletin No-88**  
**Date-12.05.2020**

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

**District Past week weather condition**

The district received **09 mm** rainfall during the last week. The mean daily maximum and minimum temperature was **36°C** and **22°C**, respectively. Relative humidity of the district was around **74-64%**. **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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020**

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. The day temperature will **33-35°C** and night temperature will be **24-26°C** for upcoming 5 days. Maximum and minimum relative humidity will be **74-85 %** and **18-38%** respectively. There will be clear to partly cloudy sky for next 5 days. **As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.**

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	1	0	0	3	5
T-Max(°C)	35	35	35	35	33
T-Min(°C)	25	24	25	26	25
Cloud Cover(octa)	0	0	1	1	4
RH Max (%)	74	79	76	80	85
RH Min (%)	24	18	27	32	38
Wind Speed (Kmph)	18	23	26	24	21
Wind Direction (deg)	201	203	203	203	200

**Agromet Advisory**

**KHARIF CROP PLAN:** According to IMD forecast this year we may receive normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 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. Proper ventilation in the interior of the shed should be assured to birds.

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

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





**GRAMIN KRUSHI MAUSAM SEVA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**DISTRICT AGROMET UNIT**  
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**Bulletin No-88**  
**Date-12.05.2020**

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**AGROMET ADVISORY BULLETIN FOR SALEPUR**

**District Past week weather condition**

The district received 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 22°C, respectively. Relative humidity of the district was around 74-64%. 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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020**

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. The day temperature will 34-35°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-85% and 18-36% respectively. There will be clear to partly cloudy sky for next 5 days. As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.

Block	Salepur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	0	0	0	3	4
T-Max(°C)	35	35	35	35	34
T-Min(°C)	25	24	25	26	25
Cloud Cover(octa)	2	0	1	1	4
RH Max (%)	74	79	75	79	85
RH Min (%)	23	18	26	32	36
Wind Speed (Kmph)	18	23	25	24	21
Wind Direction (deg)	201	203	203	203	200

**Agromet Advisory**

**KHARIF CROP PLAN:** According to IMD forecast this year we may receive normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 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 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. Proper ventilation in the interior of the shed should be assured to birds.

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

**Debasish Jena**  
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**GRAMIN KRUSHI MAUSAM SEVA**  
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Bulletin No-88  
Date-12.05.2020

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**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

District Past week weather condition

The district received 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 22°C, respectively. Relative humidity of the district was around 74-64%. 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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. 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 78-85% and 34-56% respectively. There will be clear to partly cloudy sky for next 5 days. As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	0	0	0	2	3
T-Max(°C)	38	38	36	36	35
T-Min(°C)	28	28	29	29	29
Cloud Cover(octa)	0	0	2	2	4
RH Max (%)	78	80	80	84	85
RH Min (%)	40	34	47	50	56
Wind Speed (Kmph)	21	25	28	27	24
Wind Direction (deg)	201	203	203	203	203

Agromet Advisory

**KHARIF CROP PLAN:** According to IMD forecast this year we may receive normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 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 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. Proper ventilation in the interior of the shed should be assured to birds.

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

**Debasish Jena**  
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**GRAMIN KRUSHI MAUSAM SEVA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
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**Bulletin No-88**  
**Date-12.05.2020**

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**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

**District Past week weather condition**

The district received 09 mm rainfall during the last week. The mean daily maximum and minimum temperature was 36°C and 22°C, respectively. Relative humidity of the district was around 74-64%. 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: 13<sup>th</sup> May 2020 to 17<sup>th</sup> May 2020**

**General Advisory:** Very light rain or thundershower is forecasted for Friday and Saturday. The day temperature will 36°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-80% and 16-27% respectively. There will be clear to partly cloudy sky for next 5 days. As rainfall is realized continuously in the last weeks, farmers should utilise the rain water for summer ploughing and vigil the crop field for disease and pest infestation and do the plant protection measures on sunny days. As per Extended range Forecast, above normal rainfall is expected in till 21st of May, so arrange dhaincha seeds for early sowing.

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020
Rainfall(mm)	0	0	0	2	2
T-Max(°C)	36	36	36	36	36
T-Min(°C)	23	23	23	24	24
Cloud Cover(octa)	1	0	1	1	4
RH Max (%)	63	70	74	77	80
RH Min (%)	19	16	21	25	27
Wind Speed (Kmph)	15	19	19	19	20
Wind Direction (deg)	180	193	198	193	189

**Agromet Advisory**

**KHARIF CROP PLAN:** According to IMD forecast this year we may receive normal rainfall season so plan accordingly for ensuing Kharif season 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 at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.

**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 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. Proper ventilation in the interior of the shed should be assured to birds.

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