



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



**Bulletin No-76**  
**Date-31.03.2020**

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

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. *According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.*

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory:** Light rain or thundershower is forecasted on Saturday. The day temperature will 34-39°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 72-95% and 13-37% respectively. There will be clear to partly cloudy sky for next 5 days. **Farmers should do their pesticide and fertilizer application except Saturday. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.**

Block	Athagad				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
<b>Date</b>	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
<b>Rainfall (mm)</b>	0	0	0	0	3
<b>T-Max (°C)</b>	37	38	38	39	34
<b>T-Min (°C)</b>	24	24	24	24	23
<b>Cloud Cover (octa)</b>	1	3	3	2	3
<b>RH Max (%)</b>	72	74	84	92	95
<b>RH Min (%)</b>	15	13	18	16	37
<b>Wind Speed (kmph)</b>	10	13	14	11	11
<b>Wind Direction (deg)</b>	169	200	207	191	154

**Agromet Advisory**

**Pulses:**

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Summer Maize:** Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.



**Oil Seeds: Groundnut:** The recent rain may aggravate **collar rot** disease in Groundnut. To control it spray Metalaxyl+Mancozeb@2g/litre of water. In case of appearance of the **caterpillar**, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field. To control **tikka disease** of groundnut spray Chlorothalonil 75% WP or Carbendazim 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

- Mustard:** The crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

**Vegetables and fruits:**

- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. **Purple blotch** disease may occur in onion during this weather condition. Spray 600g mancozeb with 100 ml sticker mixing with 200 lit of water per acre crop area. **Beans and Cow pea-** sucking pests like **aphid and white fly** are major pest attacking the crops. go for alternate spray of neem based pesticide 1500ppm@600ml/acre with imidacloprid 17.8 sl@70ml/acre.
- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The forecasted rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and neem based spraying of Tebuconazole @1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

**Animal husbandry:**

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

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

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



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**AGROMET ADVISORY BULLETIN FOR BADAMBA**

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. **According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.**

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory: Light rainfall or thundershower is forecasted on Saturday.** The day temperature will 34-40°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-90% and 14-36% respectively. There will be clear to partly cloudy sky for next 5 days. **Farmers should do their pesticide and fertilizer application except Saturday. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.**

Block	Badamba				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	0	4
T-Max(°C)	38	38	40	39	34
T-Min(°C)	24	23	23	23	22
Cloud Cover(octa)	2	4	3	2	3
RH Max (%)	66	71	81	88	90
RH Min (%)	15	14	15	16	36
Wind Speed (Kmph)	9	11	11	10	10
Wind Direction (deg)	199	200	161	195	148

**Agromet Advisory**

**Pulses:**

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Summer Maize:** Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.



**Oil Seeds: Groundnut:** The recent rain may aggravate **collar rot** disease in Groundnut. To control it spray Metalaxyl+Mancozeb@2g/litre of water. In case of appearance of the **caterpillar**, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field. To control **tikka disease** of groundnut spray Chlorothalonil 75% WP or Carbendazim 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

- Mustard:** The crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

**Vegetables and fruits:**

- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. **Purple blotch** disease may occur in onion during this weather condition. Spray 600g mancozeb with 100 ml sticker mixing with 200 lit of water per acre crop area. **Beans and Cow pea-** sucking pests like **aphid and white fly** are major pest attacking the crops. go for alternate spray of neem based pesticide 1500ppm@600ml/acre with imidacloprid 17.8 sl@70ml/acre.
- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The forecasted rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and neem based spraying of Tebuconazole @1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

**Animal husbandry:**

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

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 (Nodal officer)

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

**District Past week weather condition**

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. **According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.**

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory:** No rainfall is forecasted for upcoming 5 days. The day temperature will 34-39°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-92% and 15-37 % respectively. There will be clear to partly cloudy sky for next 5 days. **Farmers should do their pesticide and fertilizer application and should go for harvesting of winter pulses and vegetables. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.**

Block	Banki				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	38	39	39	39	34
T-Min(°C)	24	24	24	23	23
Cloud Cover(octa)	2	4	3	2	3
RH Max (%)	70	73	84	91	92
RH Min (%)	15	15	19	17	37
Wind Speed (Kmph)	10	13	15	12	12
Wind Direction (deg)	195	205	206	203	154

**Agromet Advisory**

**Pulses:**

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Summer Maize:** Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.



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**Vegetables and fruits:**

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- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The realized rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and neem based spraying of Tebuconazole @1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

**Animal husbandry:**

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

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

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. **According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.**

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory: No rainfall is forecasted for upcoming 5 days.** The day temperature will 34-39°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 71-92% and 17-38% respectively. There will be clear to partly cloudy sky for next 5 days. **Farmers should do their pesticide and fertilizer application and should go for harvesting of winter pulses and vegetables. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.**

Block	Banki-Dampara				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	38	38	38	39	34
T-Min(°C)	24	24	24	24	23
Cloud Cover(octa)	2	4	3	2	3
RH Max (%)	71	73	84	91	92
RH Min (%)	15	15	20	17	38
Wind Speed (Kmph)	10	13	15	13	12
Wind Direction (deg)	195	203	207	203	158

**Agromet Advisory**

**Pulses:**

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

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- Mustard:** The crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

**Vegetables and fruits:**

- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. **Purple blotch** disease may occur in onion during this weather condition. Spray 600g mancozeb with 100 ml sticker mixing with 200 lit of water per acre crop area. **Beans and Cow pea-** sucking pests like **aphid and white fly** are major pest attacking the crops. go for alternate spray of neem based pesticide 1500ppm@600ml/acre with imidacloprid 17.8 sl@70ml/acre.
- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The realized rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and need based spraying of Tebuconazole @1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

**Animal husbandry:**

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

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**(Nodal officer)**

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**AGROMET ADVISORY BULLETIN FOR BARANGA**

**District Past week weather condition**

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. *According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.*

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory:** No rainfall is forecasted for upcoming 5 days. The day temperature will 33-38°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 75-94% and 17-41% respectively. There will be clear to partly cloudy sky for next 5 days. *Farmers should do their pesticide and fertilizer application and should go for harvesting of winter pulses and vegetables. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.*

Block	Baranga				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	36	38	38	38	33
T-Min(°C)	25	26	25	25	25
Cloud Cover	1	3	3	2	3
RH Max (%)	79	75	83	90	94
RH Min (%)	17	17	25	20	41
Wind Speed (Kmph)	12	16	21	15	13
Wind Direction (deg)	195	204	204	191	191

**Agromet Advisory**

**Pulses:**

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**Vegetables and fruits:**

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**Animal husbandry:**

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

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

**Debasish Jena**  
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**Bulletin No-76**  
**Date-31.03.2020**

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

District Past week weather condition

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. **According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.**

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory: No rainfall is forecasted for upcoming 5 days.** The day temperature will 33-38°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 76-95% and 14-39% respectively. There will be clear to partly cloudy sky for next 5 days. **Farmers should do their pesticide and fertilizer application and should go for harvesting of winter pulses and vegetables. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.**

Block	Cuttack sadar				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	36	37	38	38	33
T-Min(°C)	25	25	25	25	24
Cloud Cover(octa)	1	3	3	1	3
RH Max (%)	79	76	84	91	95
RH Min (%)	14	14	22	17	39
Wind Speed (Kmph)	12	14	18	13	12
Wind Direction (deg)	195	203	207	180	163

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Summer Maize:** Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.



**Oil Seeds: Groundnut:** The recent rain may aggravate **collar rot** disease in Groundnut. To control it spray Metalaxyl+Mancozeb@2g/litre of water. In case of appearance of the **caterpillar**, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field. To control **tikka disease** of groundnut spray Chlorothalonil 75% WP or Carbendazim 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

- Mustard:** The crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables and fruits:

- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. **Purple blotch** disease may occur in onion during this weather condition. Spray 600g mancozeb with 100 ml sticker mixing with 200 lit of water per acre crop area. **Beans and Cow pea-** sucking pests like **aphid and white fly** are major pest attacking the crops. go for alternate spray of neem based pesticide 1500ppm@600ml/acre with imidacloprid 17.8 sl@70ml/acre.
- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The realized rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and need based spraying of Tebuconazole @1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Animal husbandry:

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

**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-76**  
**Date-31.03.2020**

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**AGROMET ADVISORY BULLETIN FOR KANTAPADA**

**District Past week weather condition**

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. *According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.*

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory:** No rainfall is forecasted for upcoming 5 days. The day temperature will 33-37°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-91% and 24-44% respectively. There will be clear to partly cloudy sky for next 5 days. *Farmers should do their pesticide and fertilizer application and should go for harvesting of winter pulses and vegetables. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.*

Block	Kantapada				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Date	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	36	37	36	37	33
T-Min(°C)	25	26	26	26	25
Cloud Cover(octa)	1	3	3	2	3
RH Max (%)	82	77	81	88	91
RH Min (%)	24	25	32	29	44
Wind Speed (Kmph)	14	19	24	18	15
Wind Direction (deg)	197	203	204	204	199

**Agromet Advisory**

**Pulses:**

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Summer Maize:** Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyrifos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.



**Oil Seeds: Groundnut:** The recent rain may aggravate **collar rot** disease in Groundnut. To control it spray Metalaxyl+Mancozeb@2g/litre of water. In case of appearance of the **caterpillar**, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field. To control **tikka disease** of groundnut spray Chlorothalonil 75% WP or Carbendazim 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

- Mustard:** The crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

**Vegetables and fruits:**

- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. **Purple blotch** disease may occur in onion during this weather condition. Spray 600g mancozeb with 100 ml sticker mixing with 200 lit of water per acre crop area. **Beans and Cow pea-** sucking pests like **aphid and white fly** are major pest attacking the crops. go for alternate spray of neem based pesticide 1500ppm@600ml/acre with imidacloprid 17.8 sl@70ml/acre.
- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The realized rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and need based spraying of Tebuconazole @1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

**Animal husbandry:**

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

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

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**Bulletin No-76**  
**Date-31.03.2020**

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**AGROMET ADVISORY BULLETIN FOR MAHANGA**

**District Past week weather condition**

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. *According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.*

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory:** Light rainfall or thundershower is forecasted on Friday and Saturday. The day temperature will 35-38°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-92% and 16-38% respectively. There will be clear to partly cloudy sky for next 5 days. **Farmers should do their pesticide and fertilizer application on sunny day only. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.**

Block	Mahanga				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	2	4
T-Max(°C)	37	38	38	38	35
T-Min(°C)	25	26	25	25	25
Cloud Cover(octal)	0	2	2	1	4
RH Max (%)	83	77	83	87	92
RH Min (%)	16	19	25	21	38
Wind Speed (Kmph)	13	16	21	14	14
Wind Direction (deg)	200	204	204	203	191

**Agromet Advisory**

**Pulses:**

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Summer Maize:** Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.



**Oil Seeds: Groundnut:** The recent rain may aggravate **collar rot** disease in Groundnut. To control it spray Metalaxyl+Mancozeb@2g/litre of water. In case of appearance of the **caterpillar**, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field. To control **tikka disease** of groundnut spray Chlorothalonil 75% WP or Carbendazim 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

- Mustard:** The crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

**Vegetables and fruits:**

- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. **Purple blotch** disease may occur in onion during this weather condition. Spray 600g mancozeb with 100 ml sticker mixing with 200 lit of water per acre crop area. **Beans and Cow pea-** sucking pests like **aphid and white fly** are major pest attacking the crops. go for alternate spray of neem based pesticide 1500ppm@600ml/acre with imidacloprid 17.8 sl@70ml/acre.
- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The forecasted rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and need based spraying of Tebuconazole @1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

**Animal husbandry:**

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

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

**Debasish Jena**  
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**Bulletin No-76**  
**Date-31.03.2020**

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**AGROMET ADVISORY BULLETIN FOR NARASINGHPUR**

**District Past week weather condition**

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. *According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.*

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory:** Light rainfall or thundershower is forecasted on Saturday. The day temperature will 34-41°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 64-90% and 11-31% respectively. There will be clear to partly cloudy sky for next 5 days. *Farmers should do their pesticide and fertilizer application except Saturday. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.*

Block	Narasinghpur				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	0	4
T-Max(°C)	38	37	40	41	34
T-Min(°C)	23	23	22	22	21
Cloud Cover(/octa)	1	4	3	1	3
RH Max (%)	64	67	75	84	90
RH Min (%)	15	13	11	14	31
Wind Speed (Kmph)	7	8	7	7	8
Wind Direction (deg)	203	203	162	113	150

**Agromet Advisory**

**Pulses:**

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Summer Maize:** Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.



**Oil Seeds: Groundnut:** The recent rain may aggravate **collar rot** disease in Groundnut. To control it spray Metalaxyl+Mancozeb@2g/litre of water. In case of appearance of the **caterpillar**, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field. To control **tikka disease** of groundnut spray Chlorothalonil 75% WP or Carbendazim 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

- Mustard:** The crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

**Vegetables and fruits:**

- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. **Purple blotch** disease may occur in onion during this weather condition. Spray 600g mancozeb with 100 ml sticker mixing with 200 lit of water per acre crop area. **Beans and Cow pea-** sucking pests like **aphid and white fly** are major pest attacking the crops. go for alternate spray of neem based pesticide 1500ppm@600ml/acre with imidacloprid 17.8 sl@70ml/acre.
- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The forecasted rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and need based spraying of Tebuconazole @1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

**Animal husbandry:**

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

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

**Debasish Jena**  
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Bulletin No-76  
Date-31.03.2020

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AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. **According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.**

Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020

**General Advisory:** No rainfall is forecasted for upcoming 5 days. The day temperature will 34-36°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-88% and 31-48% respectively. There will be mainly clear sky for next 5 days. **Farmers should do their pesticide and fertilizer application and should go for harvesting of winter pulses and vegetables. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.**

Block	Niali				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Date	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	35	36	35	36	34
T-Min(°C)	25	26	26	26	25
Cloud Cover(octa)	1	3	2	2	3
RH Max (%)	84	78	80	87	88
RH Min (%)	31	31	39	35	48
Wind Speed(Kmph)	15	21	26	20	15
Wind Direction(deg)	193	203	204	203	198

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Summer Maize:** Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyrifos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.



**Oil Seeds: Groundnut:** The recent rain may aggravate **collar rot** disease in Groundnut. To control it spray Metalaxyl+Mancozeb@2g/litre of water. In case of appearance of the **caterpillar**, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field. To control **tikka disease** of groundnut spray Chlorothalonil 75% WP or Carbendazim 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

- Mustard:** The crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables and fruits:

- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. **Purple blotch** disease may occur in onion during this weather condition. Spray 600g mancozeb with 100 ml sticker mixing with 200 lit of water per acre crop area. **Beans and Cow pea-** sucking pests like **aphid and white fly** are major pest attacking the crops. go for alternate spray of neem based pesticide 1500ppm@600ml/acre with imidacloprid 17.8 sl@70ml/acre.
- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The realized rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and need based spraying of Tebuconazole @1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Animal husbandry:

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

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

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**Bulletin No-76**  
**Date-31.03.2020**

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**AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI**

**District Past week weather condition**

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. **According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.**

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory: Light rainfall or thundershower is forecasted on Friday and Saturday.** The day temperature will 34-38°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 78-92% and 18-41% respectively. There will be clear to partly cloudy sky for next 5 days. **Farmers should do their pesticide and fertilizer application only on sunny days. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.**

Block	Nischintakoili				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	2	4
T-Max(°C)	36	37	38	38	34
T-Min(°C)	25	26	26	26	25
Cloud Cover(octa)	1	2	2	1	4
RH Max (%)	84	78	82	87	92
RH Min (%)	18	21	27	23	41
Wind Speed (Kmph)	13	17	23	15	14
Wind Direction (deg)	200	203	204	203	199

**Agromet Advisory**

**Pulses:**

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Summer Maize:** Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.



**Oil Seeds: Groundnut:** The recent rain may aggravate **collar rot** disease in Groundnut. To control it spray Metalaxyl+Mancozeb@2g/litre of water. In case of appearance of the **caterpillar**, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field. To control **tikka disease** of groundnut spray Chlorothalonil 75% WP or Carbendazim 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

- Mustard:** The crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

**Vegetables and fruits:**

- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. **Purple blotch** disease may occur in onion during this weather condition. Spray 600g mancozeb with 100 ml sticker mixing with 200 lit of water per acre crop area. **Beans and Cow pea-** sucking pests like **aphid and white fly** are major pest attacking the crops. go for alternate spray of neem based pesticide 1500ppm@600ml/acre with imidacloprid 17.8 sl@70ml/acre.
- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The forecasted rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and neem based spraying of Tebuconazole @1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

**Animal husbandry:**

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

**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-76**  
**Date-31.03.2020**

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

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. *According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.*

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory:** Light rainfall or thundershower is forecasted on Friday and Saturday. The day temperature will 34-38°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-92% and 17-40% respectively. There will be clear to partly cloudy sky for next 5 days. **Farmers should do their pesticide and fertilizer application only on sunny days. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.**

Block	Salepur				
Date	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	2	3
T-Max(°C)	36	38	38	38	34
T-Min(°C)	25	26	26	26	25
Cloud Cover(octa)	1	2	3	1	4
RH Max (%)	83	77	82	88	92
RH Min (%)	17	19	26	22	40
Wind Speed (Kmph)	13	16	22	15	14
Wind Direction (deg)	200	204	204	199	199

**Agromet Advisory**

**Pulses:**

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Summer Maize:** Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.



**Oil Seeds: Groundnut:** The recent rain may aggravate **collar rot** disease in Groundnut. To control it spray Metalaxyl+Mancozeb@2g/litre of water. In case of appearance of the **caterpillar**, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field. To control **tikka disease** of groundnut spray Chlorothalonil 75% WP or Carbendazim 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

- Mustard:** The crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

**Vegetables and fruits:**

- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. **Purple blotch** disease may occur in onion during this weather condition. Spray 600g mancozeb with 100 ml sticker mixing with 200 lit of water per acre crop area. **Beans and Cow pea-** sucking pests like **aphid and white fly** are major pest attacking the crops. go for alternate spray of neem based pesticide 1500ppm@600ml/acre with imidacloprid 17.8 sl@70ml/acre.
- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The forecasted rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and need based spraying of Tebuconazole @ 1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

**Animal husbandry:**

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

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

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



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Bulletin No-76  
Date-31.03.2020

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**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

District Past week weather condition

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. *According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.*

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory:** Light rainfall or thundershower is forecasted on Saturday. The day temperature will 35-36°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-87% and 39-51 % respectively. There will be mainly clear sky for next 5 days. *Farmers should do their pesticide and fertilizer application except Saturday. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.*

Block	Tangi-Choudwar				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	0	3
T-Max(°C)	36	36	35	36	35
T-Min(°C)	25	26	26	25	25
Cloud Cover(octa)	1	1	1	2	3
RH Max (%)	88	83	83	87	86
RH Min (%)	39	42	48	46	51
Wind Speed (Kmph)	17	23	27	21	17
Wind Direction (deg)	191	203	204	203	201

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Summer Maize:** Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyrifhos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.



**Oil Seeds: Groundnut:** The recent rain may aggravate **collar rot** disease in Groundnut. To control it spray Metalaxyl+Mancozeb@2g/litre of water. In case of appearance of the **caterpillar**, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field. To control **tikka disease** of groundnut spray Chlorothalonil 75% WP or Carbendazim 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

- Mustard:** The crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

Vegetables and fruits:

- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. **Purple blotch** disease may occur in onion during this weather condition. Spray 600g mancozeb with 100 ml sticker mixing with 200 lit of water per acre crop area. **Beans and Cow pea-** sucking pests like **aphid and white fly** are major pest attacking the crops. go for alternate spray of neem based pesticide 1500ppm@600ml/acre with imidacloprid 17.8 sl@70ml/acre.
- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The forecasted rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and need based spraying of Tebuconazole @ 1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Animal husbandry:

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

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**Bulletin No-76**  
**Date-31.03.2020**

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**AGROMET ADVISORY BULLETIN FOR TIGIRIA**

**District Past week weather condition**

The district received 04 mm rainfall during the last week. The mean daily maximum and minimum temperature was 37°C and 23°C, respectively. Relative humidity of the district was around 72-54%. **According to NDVI map (11.03.2020 to 17.03.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-27 February 2020 to 25 March 2020), severely wet condition was there.**

**Forecasted period: 01<sup>st</sup> April 2020 to 05<sup>th</sup> April 2020**

**General Advisory:** Light rainfall or thundershower is forecasted on Saturday. The day temperature will 34-39°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-93% and 13-36% respectively. There will be clear to partly cloudy sky for next 5 days. **Farmers should do their pesticide and fertilizer application except Saturday. Farmers should keep watch on purple blotch disease in onion, downy mildew in pumpkin, leaf rust in cowpea and leaf blight in tomato.**

Block	Tigiria				
	01/04/2020	02/04/2020	03/04/2020	04/04/2020	05/04/2020
Rainfall(mm)	0	0	0	0	3
T-Max(°C)	37	38	39	39	34
T-Min(°C)	24	24	23	23	23
Cloud Cover(octa)	1	3	3	2	3
RH Max (%)	69	72	83	91	93
RH Min (%)	15	13	17	16	36
Wind Speed (Kmph)	10	12	12	11	12
Wind Direction (deg)	169	195	195	191	152

**Agromet Advisory**

**Pulses:**

- The crop is at pod formation to harvesting (11-14 week) stage. Harvest the matured pods and if possible and keep in safe place. **Pod borer** may feed on the developing pods and seeds. Spray profenofos 50EC @2ml / lit water.
- To prevent **wilting in case of pulses** apply 1ml Validamycin in 1 ltr of water.

**Summer Maize:** Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.



**Oil Seeds: Groundnut:** The recent rain may aggravate **collar rot** disease in Groundnut. To control it spray Metalaxyl+Mancozeb@2g/litre of water. In case of appearance of the **caterpillar**, prepare poison bait with 1 kg rice bran+ 200g jaggery/gur+20-25g Cartap Hydrochloride +Water. Keep the bait at 20-25 different places in the affected field. To control **tikka disease** of groundnut spray Chlorothalonil 75% WP or Carbendazim 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

- Mustard:** The crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow colour and dry the harvested crop in the sun for 2-3 days before threshing.

**Vegetables and fruits:**

- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. **Purple blotch** disease may occur in onion during this weather condition. Spray 600g mancozeb with 100 ml sticker mixing with 200 lit of water per acre crop area. **Beans and Cow pea-** sucking pests like **aphid and white fly** are major pest attacking the crops. go for alternate spray of neem based pesticide 1500ppm@600ml/acre with imidacloprid 17.8 sl@70ml/acre.
- Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- The forecasted rain may aggravate **wilt disease in Bean, Tomato, Brinjal and Cowpea**. Following integrated disease management practices should be followed. 1. Drain out excess water from the fields soon. 2. The affected plants should be uprooted and destroyed to prevent spread of the disease.3. Avoid excess application of nitrogenous fertilizers.4.To control it, go for soil drenching of Tricoderma viridae@5g/litre of water and need based spraying of Tebuconazole @1g/litre of water along with Streptocycline@0.1g/litre of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

**Animal husbandry:**

- Temperature is rising, animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions.

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