



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



Bulletin No-74
Date-24.03.2020

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

District Past week weather condition

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. *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-20 February 2020 to 18 March 2020), severely wet condition was there.*

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 34-40°C and night temperature will be 21-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 57-86% and 18-21% respectively. There will be clear to partly cloudy sky for next 5 days. *As weather will remain dry, farmers should resume 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	Athagad				
	Date	25/03/2020	26/03/2020	27/03/2020	28/03/2020
Rainfall (mm)	0	0	0	0	0
T-Max (°C)	34	35	37	38	40
T-Min (°C)	21	22	23	24	24
Cloud Cover (octa)	1	1	0	0	3
RH Max (%)	86	76	74	57	71
RH Min (%)	21	20	18	18	19
Wind Speed (kmph)	8	10	9	11	10
Wind Direction (deg)	203	203	195	191	158

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame: Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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 Carbendazin 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/lit at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr. Dilip Ranjan Sarangi
 (Nodal officer)

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



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KRISHI VIGYAN KENDRA CUTTACK
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Bulletin No-74
Date-24.03.2020

E-mail: kykcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR BADAMBA

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. **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-20 February 2020 to 18 March 2020), severely wet condition was there.**

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 35-40°C and night temperature will be 21-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-82% and 18-20% respectively. There will be clear to partly cloudy sky for next 5 days. **As weather will remain dry, farmers should resume 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	Badamba				
	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	35	36	37	38	40
T-Min(°C)	21	22	22	23	24
Cloud Cover(octa)	3	1	0	0	2
RH Max (%)	82	73	70	54	63
RH Min (%)	20	19	18	18	18
Wind Speed (Kmph)	8	9	8	11	9
Wind Direction (deg)	203	203	180	171	161

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame: Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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 Carbendazin 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/ltr at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr. Dilip Ranjan Sarangi
 (Nodal officer)

Debasish Jena
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Bulletin No-74
Date-24.03.2020

E-mail: kykcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR BANKI

District Past week weather condition

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. **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-20 February 2020 to 18 March 2020), severely wet condition was there.**

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 35-40°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-85% and 18-21 % respectively. There will be clear to partly cloudy sky for next 5 days. **As weather will remain dry, farmers should resume 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				
	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	35	36	38	38	40
T-Min(°C)	21	22	22	23	23
Cloud Cover(octa)	2	1	0	0	2
RH Max (%)	85	75	72	59	69
RH Min (%)	21	20	17	18	19
Wind Speed (Kmph)	9	11	10	13	11
Wind Direction (deg)	198	203	195	199	161

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame: Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/ltr at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr. Dilip Ranjan Sarangi
 (Nodal officer)

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Bulletin No-74
Date-24.03.2020

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

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. **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-20 February 2020 to 18 March 2020), severely wet condition was there.**

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 35-40°C and night temperature will be 21-23°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-86% and 17-21% respectively. There will be clear to partly cloudy sky for next 5 days. **As weather will remain dry, farmers should resume 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				
	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	35	36	38	38	40
T-Min(°C)	21	22	22	23	23
Cloud Cover(octa)	2	1	0	0	2
RH Max (%)	86	76	73	59	70
RH Min (%)	21	21	17	18	19
Wind Speed (Kmph)	9	11	10	13	11
Wind Direction (deg)	198	206	203	199	161

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame: Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/ltr at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr. Dilip Ranjan Sarangi
 (Nodal officer)

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Bulletin No-74
Date-24.03.2020

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

District Past week weather condition

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. **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-20 February 2020 to 18 March 2020), severely wet condition was there.**

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 35-39°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-90% and 19-28% respectively. There will be clear to partly cloudy sky for next 5 days. **As weather will remain dry, farmers should resume 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				
	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	35	34	37	37	39
T-Min(°C)	22	23	23	24	24
Cloud Cover	1	1	0	1	3
RH Max (%)	92	80	77	67	78
RH Min (%)	25	28	19	19	20
Wind Speed (Kmph)	11	15	12	14	11
Wind Direction (deg)	201	204	200	203	169

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame: Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/ltr at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr. Dilip Ranjan Sarangi
 (Nodal officer)

Debasish Jena
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Bulletin No-74
Date-24.03.2020

E-mail: kykcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR
District Past week weather condition

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. **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-20 February 2020 to 18 March 2020), severely wet condition was there.**

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 34-39°C and night temperature will be 22-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 63-91% and 18-23% respectively. There will be clear to partly cloudy sky for next 5 days. **As weather will remain dry, farmers should resume 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				
	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	35	37	37	39
T-Min(°C)	22	23	23	25	25
Cloud Cover(octa)	2	1	0	1	3
RH Max (%)	91	79	77	63	76
RH Min (%)	23	23	18	19	20
Wind Speed (Kmph)	10	12	11	13	10
Wind Direction (deg)	203	204	200	201	165

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame: Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/ltr at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

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-74
Date-24.03.2020

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

District Past week weather condition

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. *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-20 February 2020 to 18 March 2020), severely wet condition was there.*

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 33-38°C and night temperature will be 22-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 74-92% and 22-32% respectively. There will be clear to partly cloudy sky for next 5 days. *As weather will remain dry, farmers should resume 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				
	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Date	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	33	34	37	37	38
T-Min(°C)	22	23	24	24	25
Cloud Cover(octa)	1	1	0	1	2
RH Max (%)	92	82	79	74	80
RH Min (%)	32	35	23	22	23
Wind Speed (Kmph)	13	17	15	15	13
Wind Direction (deg)	201	204	203	203	203

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame: Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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 Carbendazin 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/ltr at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

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-74
Date-24.03.2020

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

District Past week weather condition

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. **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-20 February 2020 to 18 March 2020), severely wet condition was there.**

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 34-38°C and night temperature will be 22-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-93% and 20-29% respectively. There will be clear to partly cloudy sky for next 5 days. **As weather will remain dry, farmers should resume 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	Mahanga				
	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	34	36	37	38
T-Min(°C)	22	23	23	24	25
Cloud Cover(octal)	3	1	0	1	2
RH Max (%)	93	83	79	67	75
RH Min (%)	26	29	20	20	23
Wind Speed (Kmph)	10	14	12	12	11
Wind Direction (deg)	203	204	225	201	169

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame: Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/ltr at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

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-74
Date-24.03.2020

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

District Past week weather condition

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. **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-20 February 2020 to 18 March 2020), severely wet condition was there.**

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 35-41°C and night temperature will be 20-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 50-78% and 17-19% respectively. There will be clear to partly cloudy sky for next 5 days. **As weather will remain dry, farmers should resume 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	Narasinghpur				
	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	35	36	37	39	41
T-Min(°C)	20	22	22	23	24
Cloud Cover(/octa)	3	1	0	1	2
RH Max (%)	78	73	70	50	55
RH Min (%)	19	18	17	17	17
Wind Speed (Kmph)	6	6	7	8	7
Wind Direction (deg)	199	206	153	180	162

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame:

Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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 Carbendazin 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/ltr at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

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-74
Date-24.03.2020

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

District Past week weather condition

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. **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-20 February 2020 to 18 March 2020), severely wet condition was there.**

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 33-38°C and night temperature will be 22-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-91% and 25-39% respectively. There will be mainly clear sky for next 5 days. **As weather will remain dry, farmers should resume 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				
	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Date	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	33	34	36	36	38
T-Min(°C)	22	23	24	24	25
Cloud Cover(octa)	0	0	0	1	1
RH Max (%)	91	83	81	77	81
RH Min (%)	35	39	28	25	25
Wind Speed(Kmph)	14	19	16	16	14
Wind Direction(deg)	203	204	203	204	207

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame: Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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 Carbendazin 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/ltr at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

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-74
Date-24.03.2020

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

District Past week weather condition

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. **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-20 February 2020 to 18 March 2020), severely wet condition was there.**

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 34-39°C and night temperature will be 22-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 70-94% and 21-28% respectively. There will be clear to partly cloudy sky for next 5 days. **As weather will remain dry, farmers should resume 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	Nischintakoili				
	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	34	37	37	39
T-Min(°C)	22	23	23	24	25
Cloud Cover(octa)	2	1	0	1	2
RH Max (%)	94	83	79	70	77
RH Min (%)	28	32	21	21	23
Wind Speed (Kmph)	11	15	13	13	11
Wind Direction (deg)	203	204	225	203	169

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame:

Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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 Carbendazin 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/ltr at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

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-74
Date-24.03.2020

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

District Past week weather condition

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. *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-20 February 2020 to 18 March 2020), severely wet condition was there.*

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 34-39°C and night temperature will be 22-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 68-94% and 21-31% respectively. There will be clear to partly cloudy sky for next 5 days. *As weather will remain dry, farmers should resume 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	Salepur				
Date	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	34	37	37	39
T-Min(°C)	22	23	23	25	25
Cloud Cover(octa)	2	1	0	1	2
RH Max (%)	94	82	79	68	77
RH Min (%)	27	31	20	21	22
Wind Speed (Kmph)	11	15	13	13	11
Wind Direction (deg)	203	204	225	201	169

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame: Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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 Carbendazin 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/ltr at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

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-74
Date-24.03.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR

District Past week weather condition

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. *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-20 February 2020 to 18 March 2020), severely wet condition was there.*

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 34-38°C and night temperature will be 22-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-88% and 33-47% respectively. There will be mainly clear sky for next 5 days. *As weather will remain dry, farmers should resume 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	Tangi-Choudwar				
	Date	25/03/2020	26/03/2020	27/03/2020	28/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	34	36	36	38
T-Min(°C)	22	23	23	24	24
Cloud Cover(octa)	0	0	0	0	0
RH Max (%)	88	84	84	81	82
RH Min (%)	43	47	39	35	33
Wind Speed (Kmph)	15	20	18	17	14
Wind Direction (deg)	203	207	212	212	225

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame: Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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 Carbendazin 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/ltr at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr. Dilip Ranjan Sarangi
 (Nodal officer)

Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



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



Bulletin No-74
Date-24.03.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition

The district received 22 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34°C and 20°C, respectively. Relative humidity of the district was around 81-59%. **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-20 February 2020 to 18 March 2020), severely wet condition was there.**

Forecasted period: 25th March 2020 to 29th March 2020

General Advisory: Temperature condition likely to increase with no rainy day for next 5 days in the block. The day temperature will 34-40°C and night temperature will be 21-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-83% and 18-21% respectively. There will be clear to partly cloudy sky for next 5 days. **As weather will remain dry, farmers should resume 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	Tigiria				
	25/03/2020	26/03/2020	27/03/2020	28/03/2020	29/03/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	35	37	38	40
T-Min(°C)	21	22	22	24	24
Cloud Cover(octa)	2	1	0	0	3
RH Max (%)	83	74	72	55	68
RH Min (%)	21	20	18	18	19
Wind Speed (Kmph)	8	9	8	10	9
Wind Direction (deg)	195	203	198	191	161

Agromet Advisory

Pulses:

- The crop is at pod formation to harvesting (10-13 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.

Sesame: Now it is the optimum weather for sowing of sesame. Grow improved varieties like Uma, Kalika, Kanak, Amrit, Prachi, Nirmala and Usha. The field should be laid out into well leveled beds for uniform distribution of irrigation water. 2 to 2.5 kg seeds/ acre is required. To control seedling rot, seeds should be treated with 2 g Bavistin or 3 g Thiram/kg of seeds. Apply 8 cartload of FYM/acre during final land preparation. Apply 50% N and all P, K and S of recommended dose of 12:8:8:10 kg NPK & S/ac as basal. Go for line sowing at a spacing of 25-30 X 5-10 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 Carbendazin 12% + Mancozeb 63% WP @ 2 g/litre of water. If necessary give the second round at 15 days later.

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.
- For **leaf blight in tomato**, spray 2g Chlorothalonil or 3g Copper oxychloride per litre of water. For **rust in Cowpea**, spray 2g Chlorothalonil or 2g Oxycarboxin per litre of water. In case of **early blight in Potato**, use copper based fungicide like Mancozeb 75 WP@ 2g/lt at 15 days interval three to four times. Destroy the diseased plant parts properly.
- 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:

- Provide sufficient clean drinking water to animals. Contact departmental personnel for vaccination.

Dr. Dilip Ranjan Sarangi
 (Nodal officer)

Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427